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WinConnect Server XP User Manual

Document Version 2.7

WinConnect® Server XP User Manual

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Introduction to WinConnect Server XP

Product Description

WinConnect Server XP is a software solution that enables a Windows Server 2003, Windows Small Business Server 2003 or Windows XP (Home and Professional Editions) 32-bit Host computer to allow multiple Remote Desktop Protocol (RDP) 4.0, 5.0, 5.1, 5.2, 6.x and 7.x-enabled devices (such as Terminals, Internet/Information Appliances, Tablet PCs and PDAs) to connect to it to run Windows applications simultaneously and independently. You can remotely connect and control your computer from another office, from home, or while traveling. This allows you to use the data, applications, and network resources that are on your office computer, without being in your office.

A broadband Internet connection over digital subscriber line (DSL, ADSL) or Integrated Services Digital Network (ISDN) connection improves performance, but it is not necessary because Remote Desktop transfers only the minimal data (such as display data and keyboard data) to remotely control your Host computer. Therefore, even low–bandwidth Internet connections or a wired or wireless TCP/IP connection, local area network (LAN), wide area network (WAN), dial-up (Internet), virtual private network (VPN) connection allow you to remotely connect to your office computer.

Users on the Thin Client devices may run the same or different applications simultaneously and independently to create and edit documents, and to share peripherals, for example, CD-ROM, printers and other hardware installed on the Host computer. All users can also surf the Internet and access emails at the same time and even share network access with unique customized desktop and login.

Hardware Requirements

WinConnect Server XP requires a Windows Server 2003, Windows Small Business Server 2003 or Windows XP (Home or Professional Edition) 32-bit computer with Network/Internet connection.

For Windows XP, the minimum memory requirement for 3 Remote Desktop users is (3 x 128 Megabytes) + 256 Megabytes of RAM.

For Windows Server 2003, the minimum memory requirement for 3 Remote Desktop users is (3 x 128 Megabytes) + 384 Megabytes of RAM.

For Windows Small Business Server 2003, the minimum memory requirement for 3 Remote Desktop users is (3 x 128 Megabytes) + 512 Megabytes of RAM.

128 MB of additional RAM or more is recommended for each additional Remote Desktop user, depending on the applications the user will be running.

Manufacturer's Notice

The WinConnect Server XP allows multiple users to simultaneously and independently share the same hardware and software installed on the Host computer. Some software is licensed for use on a single computer while other software may be licensed for single or multiple users. It is the responsibility of the WinConnect Server XP purchaser/user to read and comply with the licensing agreements of any software that may be used on the RDP devices.

A separate Windows XP license may be required for each RDP device connected to the Host computer running Windows XP. It is the responsibility of the WinConnect Server XP purchaser/user to read and comply with the Windows XP licensing agreement or contact Microsoft for clarification regarding this licensing requirement.

Terminology

The *Host* is the computer where Windows Server 2003, Windows Small Business Server 2003 (Premium or Standard Edition) or Windows XP (Home or Professional Edition) and WinConnect Server XP software are installed.

The *Client* is the Remote Desktop Protocol (RDP) 4.0, 5.0, 5.1, 5.2, 6.x and 7.x-enabled device (such as Terminal, Internet/Information Appliance, Tablet PC and PDA).

Hardware Guidelines

CPU

A Pentium III 1GHz or faster processor is the minimum recommendation for 1 Host and 1 Remote Desktop users. Increase the processor speed by 100MHz or more per additional Remote Desktop user. For best performance, a single or dual Pentium IV processor is suggested. Equivalent AMD processors are also supported.

Minimum

- Pentium III 1GHz (1 Host and 1 Remote Desktop users) or faster processor
- Increase processor speed by 100MHz or more per additional Remote Desktop user, depending on the applications the user will be running

Recommended

- Single or Dual Pentium IV Processor

Memory

For Windows XP, the minimum requirement for 3 Remote Desktop users is (3 x 128 Megabytes) + 256 Megabytes of RAM

For Windows Server 2003, the minimum requirement for 3 Remote Desktop users is (3 x 128 Megabytes) + 384 Megabytes of RAM.

For Windows Small Business Server 2003, the minimum requirement for 3 Remote Desktop users is (3 x 128 Megabytes) + 512 Megabytes of RAM.

128 MB of additional RAM or more is recommended for each additional Remote Desktop user, depending on the applications the user will be running.

Minimum

- (3 x 128 MB) + 256 MB for Windows XP (3 Remote Desktop users)
- (3 x 128 MB) + 384 MB for Windows Server 2003 (3 Remote Desktop users)
- (3 x 128 MB) + 512 MB for Windows Small Business Server 2003 (3 Remote Desktop users)

Recommended

- Add an additional 128 MB or more per additional Remote Desktop user

1. WinConnect Server XP Installation

1.1. Installing the WinConnect Server XP Software

Windows XP native Remote Desktop must be working correctly before the WinConnect Server XP software is installed. To verify if it works, you can use a remote client to connect to the Windows XP native Remote Desktop.

Make sure that you have also configured your Windows Firewall (or any Firewall) not to block TCP port 3389 (0d3d Hex).

Installation is simple. By following these steps, a WinConnect Server XP system should take less than 15 minutes to set up. Each step is explained in detail in the following pages.

Step 1.

Download the WinConnect Server XP software from www.thinsoftinc.com. Once this file is saved onto your hard disk, locate it and double-click on the filename, setup.exe.

Step 2.

Follow the instructions on the screen. Click "Next" to proceed.

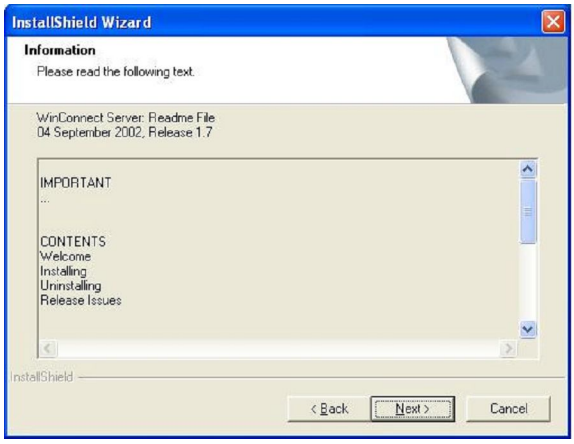
InstallShield Wizard
Welcome to the InstallShield Wizard for WinConnect Server XP
The InstallShield® Wizard will install WinConnect Server XP on your computer. To continue, click Next.
< Back
Next >
Cancel

Step 3.

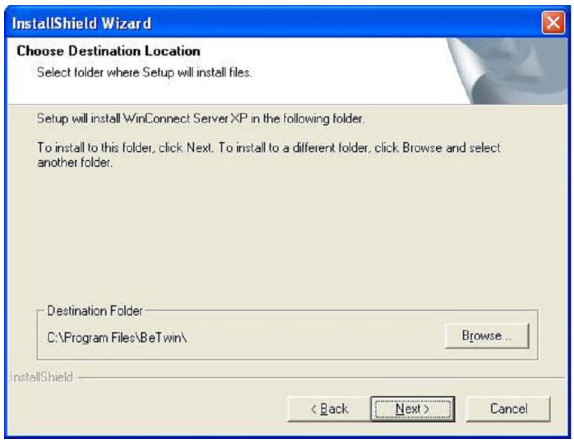
After reading and accepting the license agreement, click on the *"Yes"* button to continue with the WinConnect Server XP software installation.

InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
WinConnect Server: License Agreement
1. READ THIS
YOU SHOULD CAREFULLY READ THE FOLLOWING TERMS AND CONDITIONS BEFORE OPENING THIS PACKAGE OR INSTALLING THE PROGRAM INTO THE COMPUTER. OPENING THIS PACKAGE OR INSTALLING THE PROGRAM INTO THE COMPUTER MEANS YOU ACCEPT THESE TERMS AND CONDITIONS AND UNDERSTAND THAT THEY WILL BE LEGALLY BINDING ON YOU, ANY END USER,
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install WinConnect Server XP, you must accept this agreement.
InstallShield
< Back
Yes
No

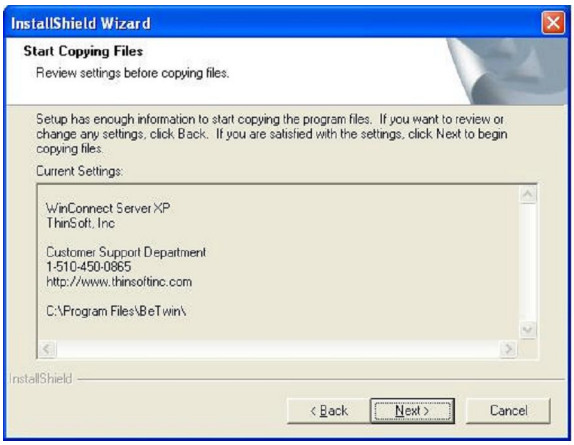
Step 4.
You should see a window similar to the one below. Click on the "*Next*" button.



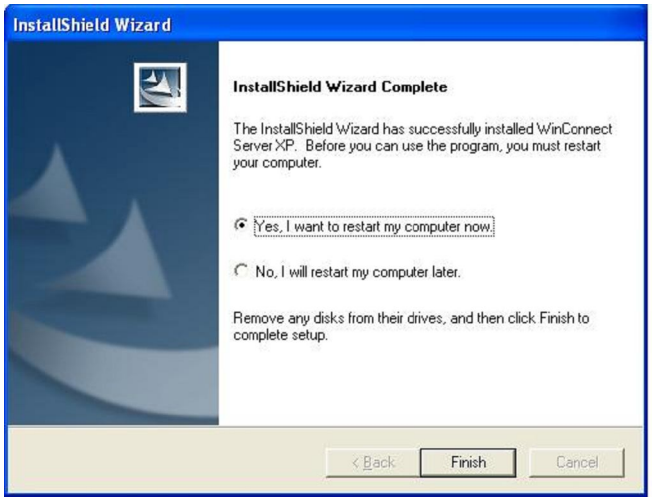
Step 5.
To install the WinConnect Server XP software to the default folder, click "*Next*" to proceed.


InstallShield Wizard
Choose Destination Location
Select folder where Setup will install files.
Setup will install WinConnect Server XP in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\BeTwin\
Browse...
InstallShield
< Back
Next >
Cancel

Step 6.
Review the settings in the InstallShield Wizard. Click "*Next*" to proceed or "*Back*" to modify the settings.


InstallShield Wizard
Start Copying Files
Review settings before copying files.
Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files.
Current Settings:
WinConnect Server XP
ThinSoft, Inc
Customer Support Department
1-510-450-0865
http://www.thinsoftinc.com
C:\Program Files\BeTwin\
InstallShield
< Back
Next >
Cancel

Step 7.
Once the InstallShield Wizard has successfully installed the WinConnect Server XP software, you will be prompted to restart your computer. Click *"Finish"* to complete the setup.


InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed WinConnect Server XP. Before you can use the program, you must restart your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

Congratulations! You have fully installed the WinConnect Server XP software. You are now ready to install the Remote Desktop Client for Linux or Windows System.

Important Note:

1. For Windows Server 2003 or Windows Small Business Server 2003 (Premium or Standard Edition) Host - Only users who are members of the "Remote Desktop Users" group can login into the Windows Server 2003 or Windows Small Business Server 2003 computer using Remote Desktop connection.

To edit the Remote Desktop Users group, right click on My Computer, select Remote and click on "Select Remote Users…" to add or remove Remote Desktop users.

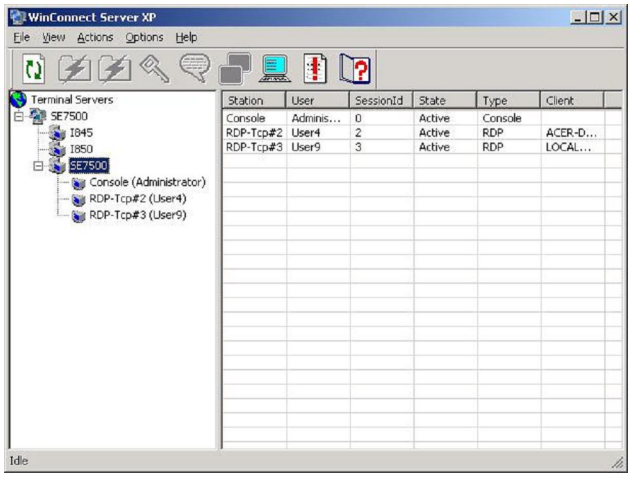
2. For Windows XP (Professional or Home Edition) Service Pack 2 Host - Remote Desktop feature need to be enabled so that Remote Desktop users can login into the computer using Remote Desktop connection.

To enable the Remote Desktop feature, select Windows Start => Settings => Control Panel => Windows Firewall. Under the "Exceptions" tab, check the box "Remote Desktop" under Programs and Services.

1.2. Using the WinConnect Server XP Control Center

The WinConnect Server XP Control Center can be used to view the Remote Desktop connections, as well as the processes and applications that are running on each Remote Desktop session. It allows you to send messages to the Remote Desktop users, logoff or disconnect the Remote Desktop sessions on the WinConnect Server XP Host.

To view the Remote Desktop Client connections, click on the "+" sign next to the WinConnect Server XP Host computer name.



There are nine icons in the toolbar of the Control Center – *Refresh, Connect Session, Disconnect Session, Logoff Session, Send Message, Remote Control, Properties, About and Online Help*.

1.2.1. Refresh

Refresh is selected by clicking on the "*Refresh*" icon.

The Remote Desktop connections displayed are periodically refreshed to update any connection status changes. If you do not wish to wait for the periodic refresh to update any connection status changes, you can click on the "*Refresh"* button for an immediate update.

1.2.2. Connect Session

Connect session is selected by clicking on the "C*onnect session*" icon.

To connect to a Disconnected Remote Desktop session on the WinConnect Server XP Host, you can right-click on the Disconnected Remote Desktop session *"RDP-Tcp#1(XXX)"* where XXX is the user login name and select *"Connect"*.

1.2.3. Disconnect Session

Disconnect session is selected by clicking on the "*Disconnect session*" icon.

To disconnect an active Remote Desktop session on the WinConnect Server XP Host. you can right-click on the active Remote Desktop session *"RDP-Tcp#1(XXX)"* where XXX is the user login name and select *"Disconnect"*.

Disconnect leaves the Remote Desktop session, including any applications running within the Remote Desktop session, active on the Terminal Server even though the Remote Desktop Client is not actually controlling it. As a result, the Remote Desktop session still consumes resources on the Terminal Server. When the same user login into the Terminal Server at a later time, the user reconnects to the disconnected Remote Desktop session. This feature is useful if the user wishes to run a time consuming operation, such as a report generation or database query, disconnects from the Remote Desktop session and login into the Terminal Server at a later time, reconnects to the disconnected Remote Desktop session, to view the results or resume the task.

Note: Only a user with administrative rights can disconnect an active Remote Desktop session.

1.2.4. Logoff Session

Logoff session is selected by clicking on the "*Logoff session* " icon.

To logoff a Remote Desktop session on the WinConnect Server XP Host. Alternatively, you can right-click on the Remote Desktop session *"RDP-Tcp#1(XXX)"* where XXX is the user login name and select *"Logoff"*.

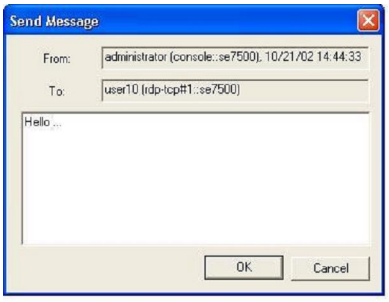
Logoff ends the Remote Desktop session running on the Terminal Server; terminating any applications running within the Remote Desktop session and all changes not saved will be lost. When the user login into the Terminal Server the next time, a new Remote Desktop session is created. In general, it is preferable to logoff a Remote Desktop session rather than disconnect a Remote Desktop session.

Note: Only a user with administrative rights can logoff a Remote Desktop session.

1.2.5. Send Message

Send message is selected by clicking on the "*Send message* " icon.

To send a message to a Remote Desktop user. Alternatively, you can right-click on the Remote Desktop session *"RDP-Tcp#1(XXX)"* where XXX is the user login name and select *"Send message"*.



1.2.6. Remote Control

Remote Control is selected by clicking on the "Remote Control" icon.

To enable a Remote Desktop session to remote control or shadow another Remote Desktop session.

Note: The Console session cannot remote control or shadow a Remote Desktop session, and vice versa.

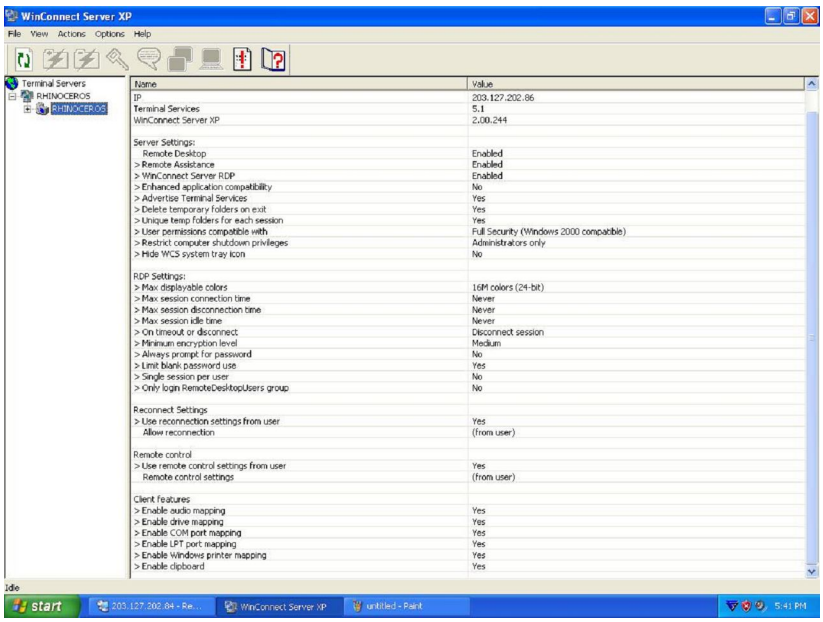
Note: Only a user with administrative rights can remote control or shadow another Remote Desktop session.

To view or change the Remote Control settings, right-click on the WinConnect Server XP Host computer name (e.g. SE7500) and select *"Properties"*. Double-click on the Remote Control options to change the setting. Please refer to Remote Control Settings section below for details.

1.2.7. Properties

Properties is selected by clicking on the "*Properties*" icon.

To view or change the Server and RDP settings. Alternatively, you can right-click on the WinConnect Server XP Host computer name (e.g. SE7500) and select *"Properties"*. Double-click on the respective feature to change the setting.



Server Settings:

- **Remote Desktop -** enables or disables the ability for Remote Desktop Clients to connect to the WinConnect Server XP Host using Remote Desktop connection. Default is "Enabled".

- **Remote Assistance** - enables or disables the ability to send invitation for Remote Assistance. Default is "Enabled".

  Note: Remote Assistance, currently, does not work with WinConnect Server XP enabled.

- **WinConnect Server RDP** - enables or disables WinConnect Server XP Host Remote Desktop support. Changing this setting requires a system reboot. Default is "Enabled".

- **Enhanced Application Compatibility** - enables or disables the "Enhanced Application Compatibility" mode, which may help 16-bit applications to run in multi-user mode. When enabled, it forces users to install application via the Control Panel. Default is "Disabled".

- **Advertise Terminal Services** - determines if the Terminal Server advertises itself as a Terminal Server on the local network. When enabled, it allows Remote Desktop Clients to locate the available Terminal Servers on the local network. Default is "Yes".

- **Delete Temporary Folders on Exit** - enables or disables deleting a Remote Desktop session's temporary directories every time the Remote Desktop session terminates. This could conserve hard disk space by reclaiming temporary storage when a user logs out from the WinConnect Server XP Host. Default is "Disabled" for Windows XP. For Windows Server 2003 or Windows Small Business Server 2003, default is "Enabled".

- **Unique Temp Folders for Each Session** - enables the creation of unique directories for each Remote Desktop session for temporary file space. Default is "Disabled" for Windows XP. For Windows Server 2003 or Windows Small Business Server 2003, default is "Enabled".

- **User Permissions Compatibility** - relaxes the user permission security for older or legacy applications that may have problems running in a Remote Desktop environment. Full security is recommended.

- **Restrict Computer Shutdown Privileges –** allows any user to shutdown the system or restrict the shutdown option to users with Administrator privileges. Restricting shutdown to Administrator requires an Administrator to login to shutdown the system. Domain security policies may override this setting.

- **Hide WCS System Tray Icon –** shows or hides the Remote Desktop session icon. The icon provides access to Windows Task Manager and Disconnect option. Default is "No".

RDP Settings:

- **Max Displayable Colors** - limits the maximum number of colors supported under the Remote Desktop session. More colors mean more network bandwidth is required for data transfer. Fewer colors reduce the network bandwidth required and improve the overall performance. Default is "24-bit colors".

- **Max Session Connection Time** - specifies the Terminal Server's maximum time limit a Remote Desktop session can stay connected before the Terminal Server automatically disconnects or terminates the Remote Desktop session. Default is "Never".

Note: The "Override user settings?" option needs to be checked in order for the Terminal Server's setting to take effect.

- **Max Session Disconnection Time** - specifies the Terminal Server's maximum time limit a Remote Desktop session can stay disconnected before the Terminal Server automatically logs off or terminates the disconnected Remote Desktop session. Default is "Never".

  Note: The "Override user settings?" option needs to be checked in order for the Terminal Server's setting to take effect.

- **Max Session Idle Time** - specifies the Terminal Server's maximum time limit a Remote Desktop session can remain idle (i.e. no keyboard or mouse activity) before the Terminal Server automatically disconnects the Remote Desktop session. Default is "Never".

  Note: The "Override user settings?" option needs to be checked in order for the Terminal Server's setting to take effect.

- **On Timeout or Disconnect** – specify the action the Terminal Server needs to do when a Remote Desktop session reaches its session limit or timeout, or if a Remote Desktop session becomes accidentally disconnected (broken connection). The Terminal Server can disconnect or terminate the Remote Desktop session. Default is "Disconnect Session".

  Note: The "Override user settings?" option needs to be checked in order for the Terminal Server's setting to take effect.

- **Min Encryption Level** - specifies the minimum encryption level required for a Remote Desktop Client to connect to the Terminal Server: High, Medium or Low. Default is "Medium".

- **Always Prompt for Password** – asks for a logon password when the Remote Desktop Client connects to the Terminal Server and ignore any logon password sent by the Remote Desktop Client. Default is "No".

- **Limit Blank Password Use** – limits local account use of blank passwords to console logon only. If set to "Yes", Remote Desktop User (apply to local user account only, i.e. Non-Domain user account) will need to a password to logon into Windows. Default is "Yes".

- **Single Session Per User** – restrict a user to a single Remote Desktop session. When enabled, the active Remote Desktop session will be disconnected when the same user login on another Remote Desktop session. When disabled, the same user can login on multiple Remote Desktop sessions. Default is "Yes".

  Note: If the **Single Session Per User** option is enabled, the **Reconnect Setting from User** will be automatically disabled and the user is allowed to reconnect to a disconnected Remote Desktop session from any computer.

- **Only login RemoteDesktopUsers Group** – specifies the group of users that can login into the Terminal Server using Remote Desktop connection. When enabled, only users who are members of the "Remote Desktop Users" group can login into the Terminal Server using Remote Desktop connection. When disabled, any users can login into the Terminal Server using Remote Desktop connection. Default is "No".

  To edit the Remote Desktop Users group, right click on My Computer, select Remote and click on "Select Remote Users…" to add or remove Remote Desktop users.

Reconnect Settings:

- **Use Reconnection Settings from User** – specifies if the Reconnect setting is set to use the each individual user's setting or the Terminal Server's Reconnect setting. Default is "Yes" (i.e. use the Terminal Server's Reconnect setting).

  To change a user's Reconnect setting, please refer to **User Settings** section below for details.

- **Allow Reconnection** – specifies the Terminal Server's Reconnect setting to allow a user to reconnect to a disconnected Remote Desktop session from any computer or only allow a user to reconnect to a disconnected Remote Desktop session from same the computer that originally started the Remote Desktop session. The default Terminal Server's Reconnect setting is to allow reconnection "From any client", this is a global setting for all users.

Remote Control Settings:

- **Use Remote Control Settings from User** – specifies if the Remote Control setting is set to use each individual user's setting or the Terminal Server's Remote Control setting. Default is "Yes".

  To change a user's Remote Control setting, please refer to **User Settings** section below for details

- **Remote Control Settings** – specifies the Terminal Server's Remote Control setting to enabled or disabled, whether input from the controlling session is allowed (i.e. remote control versus just monitoring) and whether the remote user should be notified first. The default Terminal Server's Remote Control setting is "Enabled (allow input, notify user)", this is a global setting for all users.

Client Features:

- **Enable Audio Mapping** – enables or disables the Terminal Server to allow the Remote Desktop session's audio to be re-directed to the Remote Desktop Client. When enabled, this allows audio generated by an application running within the Remote Desktop session to be playback on the Remote Desktop Client. Default is "Enabled".

- **Enable Drive Mapping** – enables or disables the Terminal Server to allow the Remote Desktop Client's local drives to be mapped to the Remote Desktop session. When enabled, this allows an application running within the Remote Desktop session to access the local drives on the Remote Desktop Client. Default is "Enabled".

- **Enable COM Port Mapping** – enables or disables the Terminal Server to allow the Remote Desktop Client's local COM ports to be re-directed to the Remote Desktop session. When enabled, this allows an application running within the Remote Desktop session to access the COM ports on the Remote Desktop Client. Default is "Enabled".

- **Enable LPT Port Mapping** – enables or disables the Terminal Server to allow the Remote Desktop Client's local LPT ports to be re-directed to the Remote Desktop session. When enabled, this allows an application running within the Remote Desktop session to access the LPT ports on the Remote Desktop Client. Default is "Enabled".

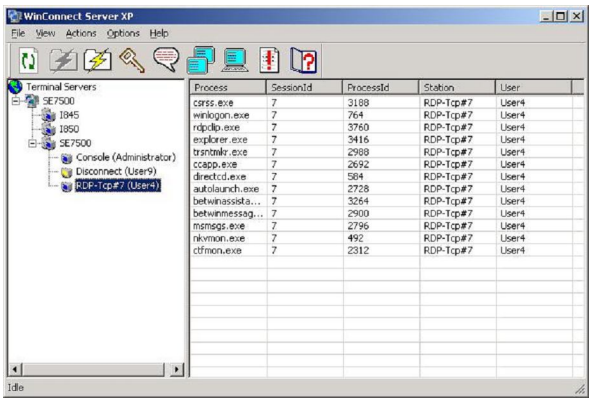
- **Enable Windows Printer Mapping** – enables or disables the Terminal Server to allow the Remote Desktop Client's local printers to be re-directed to the Remote Desktop session. When enabled, this allows an application running within the Remote Desktop session to print to the local printer connected to the LPT port of the Remote Desktop Client. Default is "Enabled".

- **Enable Clipboard** – enables or disables the Terminal Server to allow the Remote Desktop Client's Clipboard to be shared from within the Remote Desktop session. When enabled, this allows copying and pasting of data between applications running within the Remote Desktop session and applications running on the Remote Desktop Client. Default is "Enabled".

Note: The Remote Desktop Client's Remote Desktop Connection software's (i.e. the software used by the Remote Desktop Client to connect to the Terminal Server) equivalent features must be enabled as well, in order for any of the above features to work correctly (i.e. the feature must be enabled on both the Terminal Server and Remote Desktop Client).

- **Enable Desktop Wallpaper** – enables or disables the desktop wallpaper from being shown on the client. When disabled, this reduces bandwidth use, especially for large, high-resolution wallpapers.

To look at the processes and applications that are running on the Remote Desktop Clients, left-click on the client connection *"RDP-Tcp#1(XXX)"* where XXX is the user login name.



1.2.8. About

About is selected by clicking on the "*About*" icon.

The About page displays information about the WinConnect Server XP.

1.2.9. Online Help

Online help is selected by clicking on the "*Online help*" icon.

Clicking on this button, it will invoke your web browser and link you to the ThinSoft Technical Support's web site.

1.2.10. Menu Options

Additional options are available from the menu bar at the top of the WinConnect Server XP Control Center.

1.2.10.1 File Menu

The File menu allows users to close the Control Center application.

To exit, select ***File / Exit*** on the Control Center's main menu bar.

1.2.10.2 View Menu

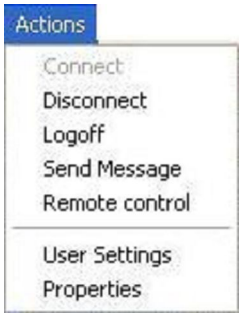
The **View** menu allows users to view the Remote Desktop Client connections, as well as the processes and applications that are running on the Remote Desktop Clients.

- **Toolbar** – displays the seven icons in the toolbar of the Control Center – Refresh, Disconnect Session, Logoff Session, Send Message, Properties, About and Online Help.
- **Status Bar** – displays the event status at the bottom of the Control Center.
- **Refresh** - displays the changes in the Remote Desktop Client connection status.

1.2.10.3 Actions Menu

The **Actions** menu allows users to view or change the Server and RDP settings, remote control or shadow to or from a Remote Desktop session and send messages to the Remote Desktop users on the Remote Desktop

Clients. Users can logoff or disconnect the Remote Desktop Clients and connect a disconnected Remote Desktop session on the WinConnect Server XP Host.



- **Connect** – connects a disconnected Remote Desktop session on the WinConnect Server XP Host. To connect, click on the "C*onnect session"* icon in the toolbar of the Control Center; or select ***Actions/Connect*** on the Control Center's main menu bar.

- **Disconnect** – disconnects an active Remote Desktop session on the WinConnect Server XP Host. To disconnect, click on the "*Disconnect session"* icon in the toolbar of the Control Center; or select ***Actions/Disconnect*** on the Control Center's main menu bar.

  Note: Only a user with administrative rights can disconnect an active Remote Desktop session.

- **Logoff** – logoff a Remote Desktop session on the WinConnect Server XP Host. To logoff, click on the "*Logoff session"* icon in the toolbar of the Control Center; or select ***Actions/Logoff*** on the Control Center's main menu bar.

Note: Only a user with administrative rights can log off a Remote Desktop session.

- **Send Message** - sends a message to the users on the Remote Desktop Clients by clicking on the "*Send Message"* icon in the toolbar of the Control Center; or select ***Actions/Send Message*** on the Control Center's main menu bar.

- **Remote Control –** remote control or shadow to or from an Remote Desktop session by clicking on the "*Remote Control"* icon in the toolbar of the Control Center; or select ***Actions/Remote Control*** on the Control Center's main menu bar. You can't remote control to or from a Console session.

  Note: The Console session cannot remote control or shadow a Remote Desktop session, and vice versa.

  Note: Only a user with administrative rights can remote control or shadow another Remote Desktop session.

- **User Settings –** to change a user's settings, please refer to **User Settings** section below for details.

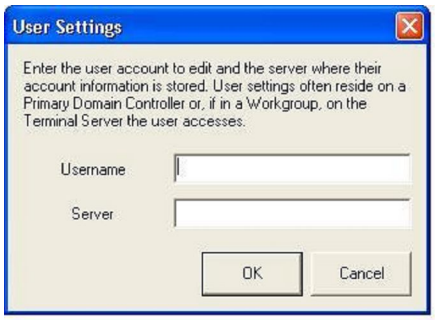
- **Properties -** views or changes the Server and RDP settings in the Control Center by clicking on the "*Properties"* icon in the toolbar of the Control Center; or select ***Actions/Properties*** on the Control Center's main menu bar.

1.2.10.4 Options Menu

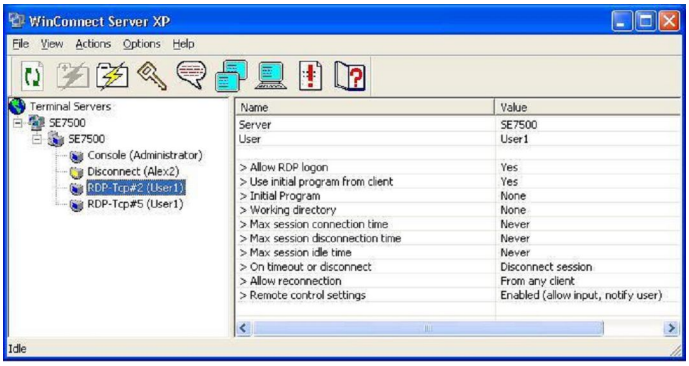
The Options menu allows users to select different languages for the WinConnect Server XP Control Center if desired and to edit the user settings.

- **Set Language** – sets different languages for the WinConnect Server XP Control Center.
- **User Settings** – to view or change a user's settings.
  - To change a local user's settings (i.e. a local user on the local machine where WinConnect Server XP is installed), you will need to first login as a Local Administrator.
  - To change a domain user's settings, (i.e. a domain user on a Domain Controller), you will need to first login as a Domain Controller Administrator.

    Note: To change a domain user's settings, it is strongly recommended that the changes be made on the Domain Controller itself. Please refer to the Domain Controller Administrator for any changes.


User Settings
Enter the user account to edit and the server where their account information is stored. User settings often reside on a Primary Domain Controller or, if in a Workgroup, on the Terminal Server the user accesses.
Username
Server
OK
Cancel

  - To change a user's settings, enter the Username, the Server name where the Username was created and click "OK". The Server name, Username and the user's current settings will be displayed.



- **Allow RDP Logon** – to enable or disable the user to be allowed to login into the Terminal Server using Remote Desktop connection. Default is "Yes", i.e. user is allowed to login into the Terminal Server using Remote Desktop connection.

- **Use Initial Program from Client** – determines if the user's settings (i.e. Initial Program and Working Directory settings) or the Remote Desktop Client's Remote Desktop connection software's settings will be used to specify the initial program to be run at logon. Default is "Yes", i.e. Remote Desktop Client's Remote Desktop connection software's settings will be used to specify the initial program to be run at logon.

- **Initial Program** – specifies the path of the initial program to be run at logon if the **Use Initial Program from Client** setting is set to "No". When the program is terminated, the user will be logged off from the Terminal Server. Default is "None". To indicate the path of the working directory used by the initial program, please refer to the "Working Directory" setting.

- **Working Directory** – specifies the path of the working directory used by the initial program if the **Use Initial Program from Client** option is set to "No". Default is "None".

- **Max Session Connection Time** - specifies the maximum time limit a Remote Desktop session can stay connected before the server automatically disconnects the Remote Desktop session. Default is "Never".

- **Max Session Disconnection Time** - specifies the maximum time limit a Remote Desktop session can stay disconnected before the Terminal Server automatically logs off or terminates the disconnected Remote Desktop session. Default is "Never".

- **Max Session Idle Time** - specifies the maximum time limit a Remote Desktop session can remain idle (i.e. no keyboard or mouse activity) before the Terminal Server automatically disconnects the Remote Desktop session. Default is "Never".

- **On Timeout or Disconnect** – instructs the Terminal Server what to do when a Remote Desktop session reaches its session limit or timeout, or if a Remote Desktop session becomes accidentally disconnected (broken connection). The Terminal Server can disconnect or terminate the Remote Desktop session. Default is "Disconnect Session".

- **Allow Reconnection** – specifies the Reconnect setting to allow the user to reconnect to a disconnected Remote Desktop session from any computer or only allow the user to reconnect to a disconnected Remote Desktop session from same the computer that originally started the Remote Desktop session. The default is to allow reconnection "From any client".

- **Remote Control Settings** – specifies the Remote Control setting to enable or disable, if input from the controlling session is allowed (i.e. remote control versus just monitoring), and if the remote user should be notified first. The default is "Enabled (allow input, notify user)".

1.3. Registration/Licensing

1.3.1. Demo version

When initially installed, WinConnect Server XP runs in "demo mode". While in demo mode, you can evaluate WinConnect Server XP before you purchase. During the evaluation period, the software enables you to connect up to 6 Remote Desktop Clients. After the period, the Remote Desktop Clients will be automatically logoff from the WinConnect Server XP system.

If you do wish to purchase WinConnect Server XP, you will need to access our web site to purchase and register the software.

1.3.2. Purchase/ Internet Registration

Note: You must purchase/register WinConnect Server XP from the computer on which it has been installed (i.e. NOT from any other computer). Hence, please ensure that you have installed WinConnect Server XP software on the computer where you intend to deploy it and make sure WinConnect Server XP is working correctly in demo mode and meeting your requirement before proceeding with the purchase/registration process.

For Windows Server 2003 or Windows Small Business Server 2003, under Microsoft Internet Explorer, click on Tools/Internet Options/Advanced and uncheck the box next to "Check for server certificate revocation" before you register. Otherwise, you will see the Security Alert Message as shown in the figure below. Click on the "Yes" button to proceed.

Security Alert
Revocation information for the security certificate for this site is not available. Do you want to proceed?
Yes
No
View Certificate

For Internet Registration, you will need to use Microsoft's Internet Explorer for this purpose.

Step 1.
Select Help from the WinConnect Server XP Control Center menu bar and then select *"Register on the Web"*.

Step 2.
This will invoke your web browser and link you to the WinConnect Server XP Registration web page.

1. Ensure that you are using the Microsoft's Internet Explorer as the default browser.

2. Make sure you have logged into the computer as an Administrator with full access rights.

3. The "Internet Explorer Enhanced Security Configuration" setting in Windows® Server 2003 or Windows® Small Business Server 2003 must be turned off.

Click on Windows Start -> Settings -> Control Panel -> Add or Remove Programs -> Add\Remove Windows Components -> Windows Components Wizard. Uncheck the "Internet Explorer Enhanced Security Configuration" option.

4. Within Microsoft Internet Explorer, click on Tools/Internet/Options/Security/Custom Level. Set the "Reset To:" option to "Medium" and click on the Reset button. Next, click on the "OK" button to apply the changes. This is the required Internet Explorer setting and is what the WinConnect Server XP Registration page requires in order to successfully work the purchase/registration process

Notes:
When prompted to install and run the "ThinSoft ..." and/or the "SheriffNet Module" ActiveX controls, you must click on the "Yes" button to install and run the ActiveX controls.

Please wait for each page to load completely before proceeding to the next page.

Step 3.
Select the language to register.

Step 4.
There are two options in the next registration page. If your WinConnect Server XP software was purchased from a distributor or came installed on your computer, you will have a serial number that will need to be entered in the "Serial Number" field on the web page. Once that is done, click on the "Register & Unlock WinConnect Server XP" button.

If you have obtained WinConnect Server XP on a demo CD or downloaded the WinConnect Server XP software, there is no serial number to be entered, just click the "Create New License & Purchase WinConnect Server XP" button.

In either case, the next page will display a form requiring completion; requesting user name and address information, etc. If you are purchasing the WinConnect Server XP software, credit card information is also required. Be careful to indicate how many WinConnect Server XP licenses are desired, as the purchase price will be computed accordingly.

Step 5.
Once the registration/payment has been approved, your WinConnect Server XP software will be automatically registered on your computer.

2. Remote Desktop Client Setup

2.1. WinConnect Remote Desktop Client Setup

WinConnect is a Remote Desktop Protocol (RDP) 5.1 client software for Linux. With WinConnect, you can access a WinConnect Server XP Host or a Windows Terminal Server to run Windows applications displayed on Linux.

2.1.1. Installing the WinConnect Remote Desktop Client Software for Linux System

Step 1.
If installing from a WinConnect CD-ROM, insert the CD. If the Setup program does not run automatically, open a terminal session/window, and run the setup.sh script by entering the command:

sh /mnt/cdrom/setup.sh

WinConnect Remote Desktop Client software is also available for download at www.thinsoftinc.com. If installing from a download, place the self- extracting setup file in a temporary directory and run it by entering the following command (depending on the file you have downloaded: "standarddemo56" or "standarddemo128").

sh standarddemo56.sh

or

sh standarddemo128.sh

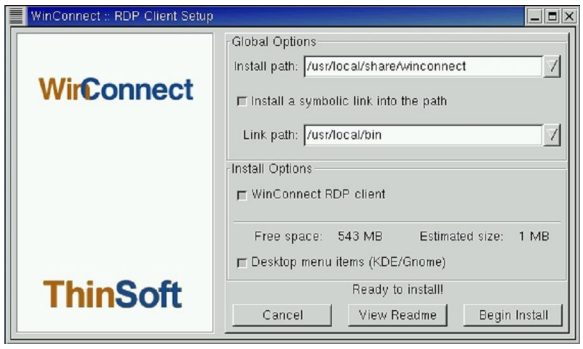
Step 2.

Follow the instructions on the screen. After reading and accepting the license agreement, click on the *"I Agree…"* button and you will be presented with some install options.

License Agreement
WinConnect: License Agreement
1. READ THIS
YOU SHOULD CAREFULLY READ THE FOLLOWING TERMS AND CONDITIONS BEFORE OPENING THIS PACKAGE OR INSTALLING THE PROGRAM INTO THE COMPUTER. OPENING THIS PACKAGE OR INSTALLING THE PROGRAM INTO THE COMPUTER MEANS YOU ACCEPT THESE TERMS AND CONDITIONS AND UNDERSTAND THAT THEY WILL BE LEGALLY BINDING ON YOU, ANY END USER, AND THE COMPANY. IF YOU DO NOT AGREE WITH THEM, OR DO NOT WANT THEM TO BE BINDING ON YOU, YOU SHOULD NOT INSTALL THE PROGRAM INTO THE COMPUTER AND PROMPTLY RETURN THE PACKAGE UNOPENED.
2. OWNERSHIP
It is hereby understood and agreed that ThinSoft
Cancel
I Agree

Step 3.

At the bottom of the Setup window, you will see a *"Begin Install"* button. Click the *"Begin Install"* button to begin the installation.



Note: the *"Begin Install"* button will be disabled if WinConnect is already installed on your system. To refresh or update an existing copy of WinConnect, you should uninstall the existing version first.

Step 4.
Congratulations! You have now fully installed the WinConnect Remote Desktop Client software. Click *"View Readme"* or *"Exit"* to quit from the setup program.

2.1.2 Running the WinConnect Remote Desktop Client Software on Linux System

On a Gnome desktop, a menu entry is created under Programs, Applications, WinConnect.

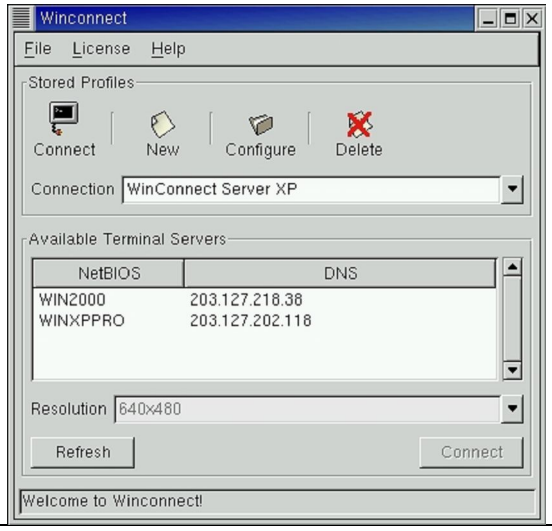
You can also run WinConnect from a terminal session/window by running the command:

winconnect

2.1.3. Connecting to a WinConnect Server XP Host or Windows Terminal Server

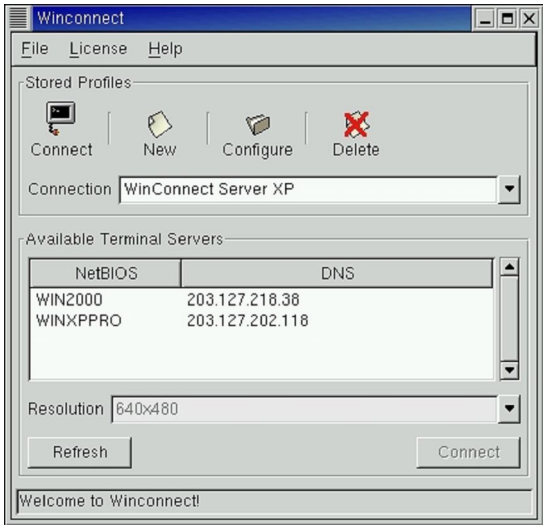
When the WinConnect user interface is invoked, the browser results are displayed in the *"Available Terminal Servers"* section of the WinConnect screen. All WinConnect Server XP Hosts and Windows Terminal Servers located on the same subnet as the WinConnect computer should be displayed, listed by both their NetBios name as well as their IP address.

Highlighting the desired server will un-gray the lower right-hand *"Connect"* button and clicking this button will establish the connection to the server. The Resolution drop-down box can be used to set a desired screen area.

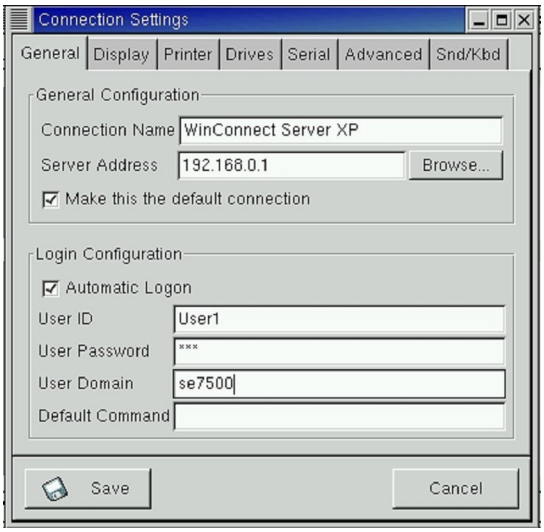


2.1.4. Customizing a Terminal Connection

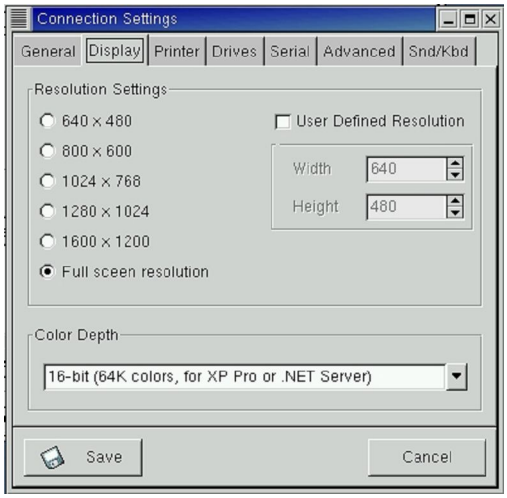
The *"**Stored Profiles**"* section of the WinConnect screen contains four icon buttons: *Connect*, *New*, *Configure* and *Delete*. Once a Connection profile has been created, its name will appear in the Connection listing window. Clicking the *Connect* icon will establish the connection using the properties of this connection profile. If more than one connection profile exists, clicking the drop-down arrow will display all the profiles. To create a new connection profile, click *New*.



On the **General** tab, there are required entry fields for naming the connection profile and the address of the server desired. There are also optional fields for a User ID and automatic login to the server. It is also possible to click the box to make a profile the default profile. The profile that is made the default will always be the one to show in the Connections listing window when WinConnect is first invoked. Also, if WinConnect is run from a terminal session/window with the –c switch (*winconnect –c*), a connection will be established to the server using the default connection profile without invoking the WinConnect user interface. Finally, there is a drop-down menu of different keyboard language options. Clicking *Save* will preserve any changes.



On the **Display** Options tab, there are radio buttons for setting desired screen areas and full screen option.



In *full screen* mode the Windows desktop will occupy the entire Linux screen. All hotkeys are passed on to Windows. In this mode, your WinConnect session will most closely resemble an actual Windows computer. In addition, WinConnect is optimized for full screen mode, so you will see the best performance. When running in full screen mode, you cannot switch between WinConnect and other Linux applications. This could be an advantage if you are a network administrator who wish to restrict the user to running WinConnect only.

The enhanced Color Depth option of WinConnect requires a connection to a Windows Server 2003. This includes the 'Remote Desktop' feature built into Windows Server 2003, Windows Small Business Server 2003 and Windows XP Professional.

To enable 24-bit color under Windows XP Professional, Windows Server 2003 and Windows Small Business Server 2003, you must also add a Registry entry on the XP computer. Run RegEdit and browse to:

HKEY_LOCAL_MACHINE
System
CurrentControlSet
Control
Terminal Server
WinStations
RDP-Tcp

and add a DWORD value:

ColorDepth = 4

To make a Windows XP Professional system visible to the WinConnect browser, run RegEdit and browse to:

HKEY_LOCAL_MACHINE
System
CurrentControlSet
Control
Terminal Server

and add or edit a DWORD entry:

TSAdvertise = 1

The easiest way to set these options is to download the registry file posted on our web site at www.thinsoftinc.com/EnableRem-Adv-Color.reg. Select "Open". When you are asked "Are you sure you want to add the information in *[filename]* to the registry?" answer "Yes". This will automatically update the registry with the required values, so you not need to run RegEdit.

On the **Advanced** Options tabs, there are check boxes for disabling mouse motion and drag events, which help to improve performance.

- ***Disable Window Manager Decorations (borders, etc)*** - To set the override redirect window property to turn off the window manager frame. The window will be displayed in the extreme top left of the screen, rather than being positioned by the window manager. This option is designed to allow a full screen mode.

- ***Disable Mouse Motion Events*** - To stop WinConnect from sending mouse motion events to the remote computer, except when a mouse button is pressed. Disable the option conserves bandwidth, but may cause some Windows applications to behave in unexpected ways.

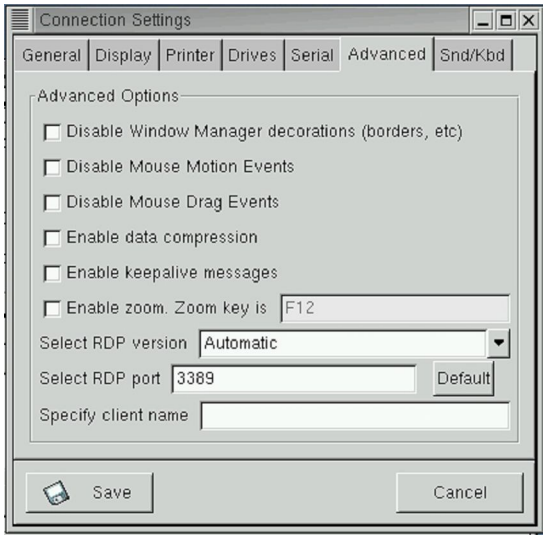
- ***Disable Mouse Drag Events*** – To stop WinConnect from sending drag events to the remote computer. Windows applications will see the drag start and end, but they will not see any intermediate mouse movements. Disable the option conserves bandwidth, but may cause unexpected effects.

- ***Enable Data Compression*** – Selecting this option allows data sent between WinConnect and the remote computer to be compressed. It helps to conserve bandwidth at the cost of some processing time.

- ***Enable Keepalive Messages*** – Selecting this option allows WinConnect to terminate if the Terminal Server fails to respond after a period of time. Default is "Disabled".

- ***Enable Zoom*** – The zoom feature is intended for use on devices with small displays such as handheld;

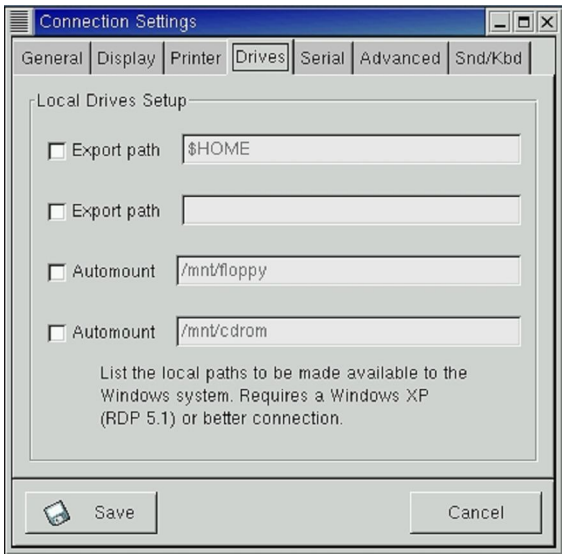
however, it will only work on desktops in a window. Using the resolution options, you can instruct WinConnect what size the Windows desktop should be. In the zoom mode, the height and width of the WinConnect window will be one half that size. Use the Zoom key to zoom the display in and out.



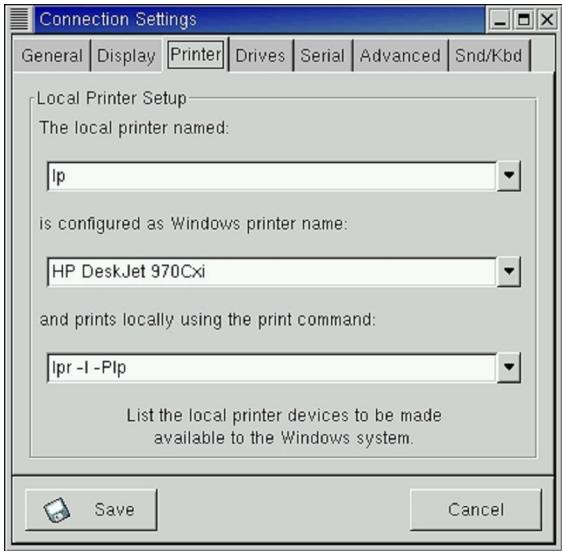
On the **Drives** tab are entry fields for enabling the local drives in the Linux machine to be able to access from the Remote Desktop session. Check the "Export path" box and supply the Linux path to the file system location that you wish to map.

There are also check boxes to map the removable media to the Windows RDP session such as floppy and CDROM drives. To map a floppy or CD drive, check "Automount" and supply the Linux path to the drive.

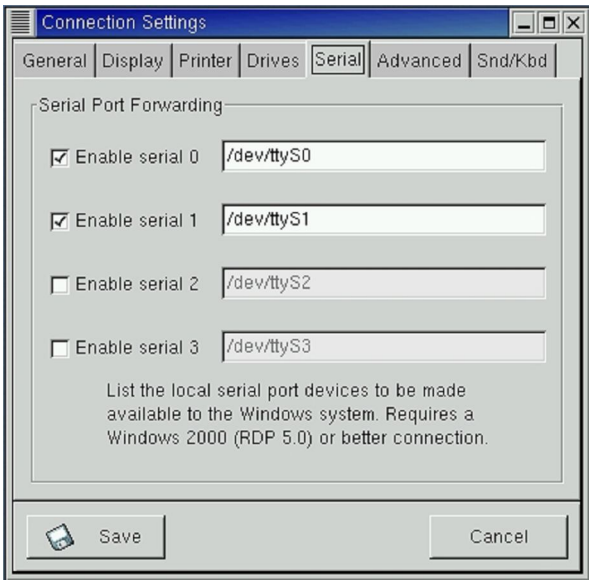
The software support up to two of each drives.



On the **Printer** tab are entry fields for enabling a printer connected to the Linux machine to be able to print from the Remote Desktop session. The local printer must first be installed and configured to print normally from the Linux computer prior to configuring WinConnect for local printing. For printer setup, refer to the section “Configuring a Printer ”.



On the **Serial** tab are entry fields for enabling a serial printer or modem connected to the Linux machine to be able to print or communicate from the Remote Desktop session. Enable the serial port where the device is attached in the Connection Settings. For more detail on the serial device setup, refer to the sections “Configuring a Serial Printer” and “Configuring a Serial Port Modem”.



On the **Sound / Keys** tab are entry fields for setting desired audio quality and keyboard mapping. The options are:

- ***Enable sound*** – To enable the sound feature.

- ***Use safe sound instead of enhanced sound*** - On some systems, sound enhancement techniques used by WinConnect may result in distorted sound. Selecting this option may correct the problem. The default is not to use this option and leave the box unchecked.

- ***Send PC scan codes directly*** - Selecting this option provides the maximum compatibility with Windows and provides support for the largest number of national keyboards. In some environments this option is necessary for correct keyboard mapping. This option should be deselected when using WinConnect with VNC. The default is for this option to be selected.

- ***Override local windows manager keyboard shortcuts*** - When WinConnect is running in windowed mode, hotkeys are used by the local Linux computer. Select this option if you wish to pass on the hotkeys to Windows when WinConnect is the focus application. The default is not to use this option and leave the box unchecked. Note that when WinConnect is running in full screen mode, this option is automatically selected.

The sound feature of WinConnect requires a connection to a Windows Server 2003. This includes the 'Remote Desktop' capabilities built into Windows Server 2003, Windows Small Business Server 2003 and Windows XP Professional.

Sound support also requires installing the "sox" program on the WinConnect computer. The sox program can be found at:

http://sox.sourceforge.net

It is installed as a standard package by most Linux distributions, for example Red Hat and Mandrake. In this case you do not need to download and install it.

2.2. Configuring a Printer

2.2.1. Setting Up a Printer in Red Hat Linux 7.2

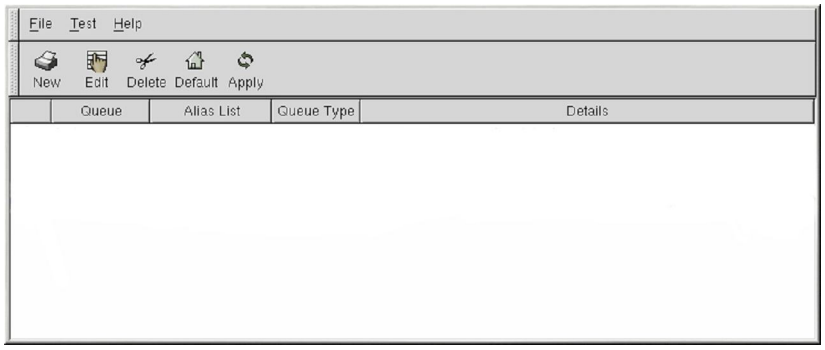
Follow the instructions below to configure your local printer with printconf under Linux. To use printconf, you must have the root privileges under Linux.

Step 1.
On the GNOME desktop, select Main Menu Button (on the Panel) => Programs => System => Printer Configuration to start the graphical version.

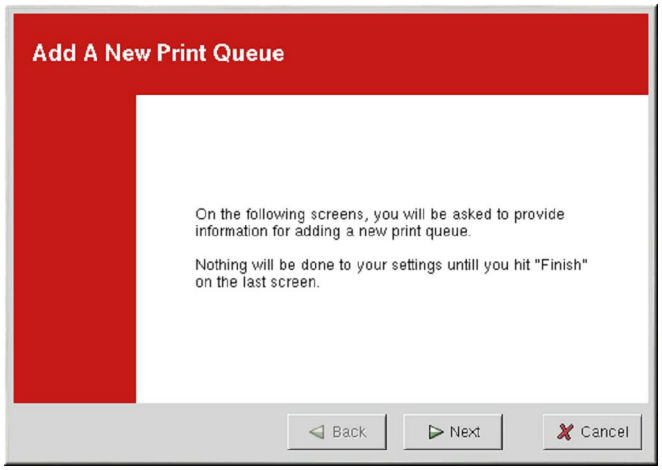
You can also run the "printconfig" command from a terminal session/window by typing the command:

printconf-gui

Step 2.
To add a local printer such as one attached to the parallel port or USB port of your computer, click the *New* button in the main printconf window.



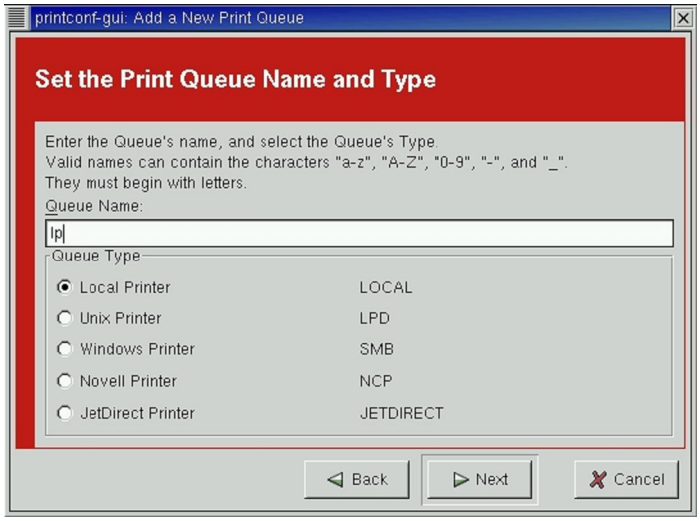
Step 3.
You should see a window similar to the one below. Click "*Next*" to proceed.


Add A New Print Queue
On the following screens, you will be asked to provide information for adding a new print queue.
Nothing will be done to your settings untill you hit "Finish" on the last screen.
Back
Next
Cancel

Step 4.

You will then see the screen as shown below. Enter a unique name for the printer in the Queue Name text field, e.g. lp. This can be any descriptive name for your printer. The printer name cannot contain spaces and must begin with a letter a through z or A through Z. The valid characters are a through z, A through Z, 0 through 9, -, and _.

Select Local Printer from the Queue Type menu, and click *Next*.



Note: For the local printer configuration, there are five types of print queues that can be configured with printconf:

Local Printer — a printer attached directly to your computer through a parallel or USB port. In the main printer list, the Queue Type for a local printer is set to LOCAL.

Unix Printer (lpd Spool) — a printer attached to a different UNIX system that can be accessed over a TCP/IP network (or example, a printer attached to another Red Hat Linux system on your network). In the main printer list, the Queue Type for a remote UNIX printer is set to LPD.

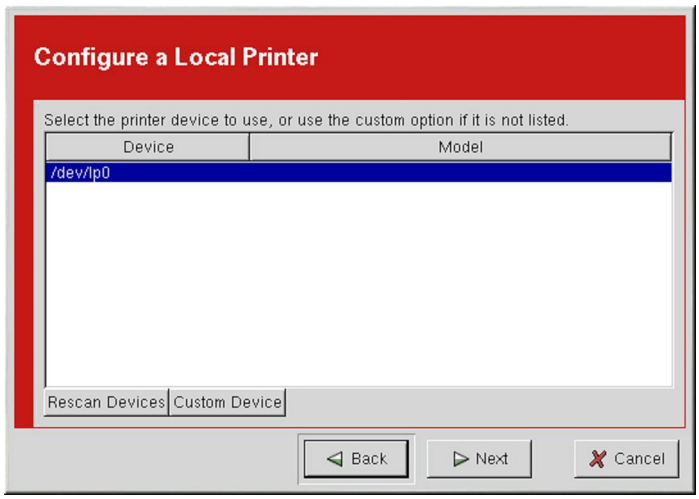
Windows Printer (SMB) — a printer attached to a different system which is sharing a printer over a SMB network (for example, a printer attached to a Microsoft Windows machine). In the main printer list as shown in Figure 8-1, the Queue Type for a remote Windows printer is set to SMB.

Novell Printer (NCP Queue) — a printer attached to a different system which uses Novell's NetWare network technology. In the main printer list, the Queue Type for a remote Novell printer is set to NCP.

JetDirect Printer — a printer connected directly to the network instead of to a computer. In the main printer list, the Queue Type for a JetDirect printer is set to JETDIRECT.

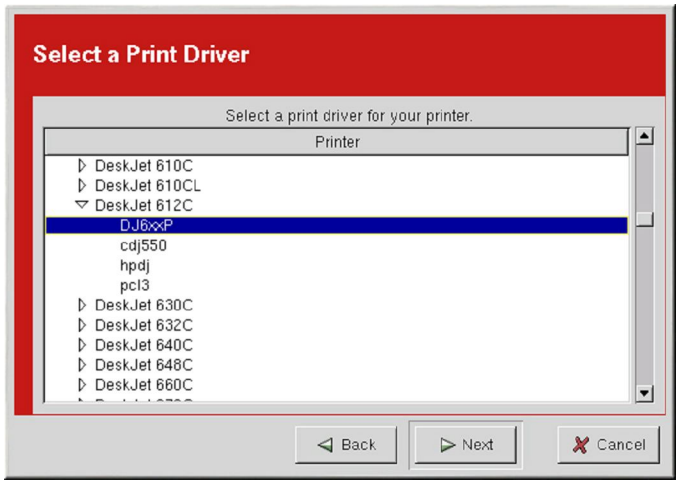
Step 5.

Printconf attempts to detect your printer device and display it as shown below. A printer device attached to the parallel port is usually referred to as /dev/lp0. A printer device attached to the USB port is usually referred to as /dev/usb/lp0. After selecting your printer device, click *Next*.



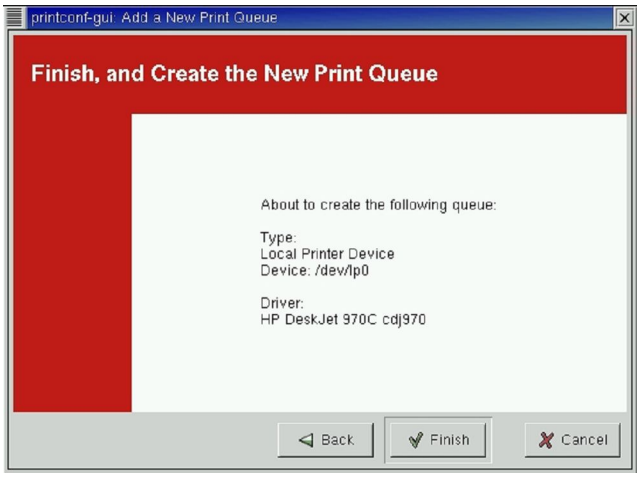
Step 6.

Next, printconf will try to detect what printer is attached to the printer device as shown below. Select the printer driver from the list. The printers are sorted by manufacturers. Click the arrow beside the manufacturer for your printer. Find your printer model from the expanded list, and click the arrow beside the printer name. A list of drivers for your printer will appear. Select the appropriate printer driver and click on the *"Next"* button to proceed.

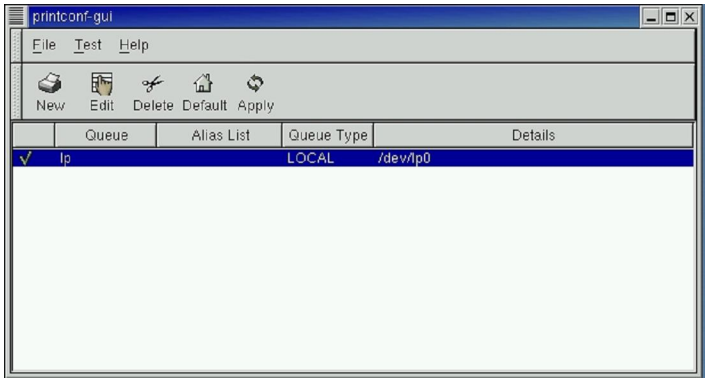


Step 7.

The last step is to confirm your printer. Click *Finish* if this is the printer that you want to add. Click *Back* to modify your printer configuration.



The new printer will appear in the printer list in the main window. Click the *Apply* button in the main window to save your changes and then print a test page to ensure the configuration is correct.



2.2.2. Setting Up a Printer in Mandrake Linux 8.1

Follow the instructions below to configure your local printer with printtool under Linux. To use printtool, you must have the root privileges under Linux.

Step 1.
Connect a printer to the computer and power up.

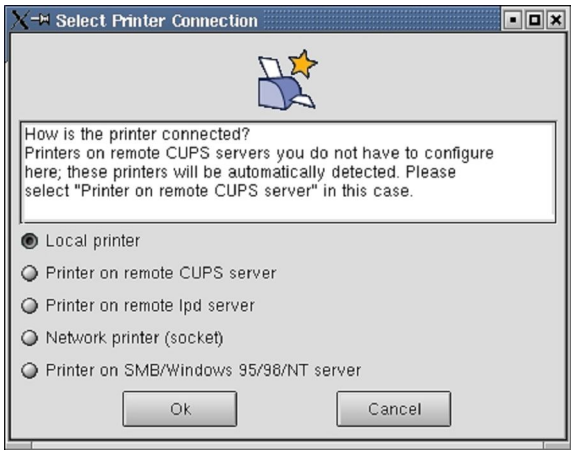
Step 2.
Log in as root.

Step 3.
Open a terminal session/window and run the command: *printtool*

Step 4.
You should now see a screen similar to the one below. Choose "*Add printer*" to start the new printer wizard.

The following printers are configured.
Click on one of them to modify it or
to get information about it or on
"Add Printer" to add a new printer.
Printer(s) on remote server(s)
Add printer
Done
Ok
Expert Mode

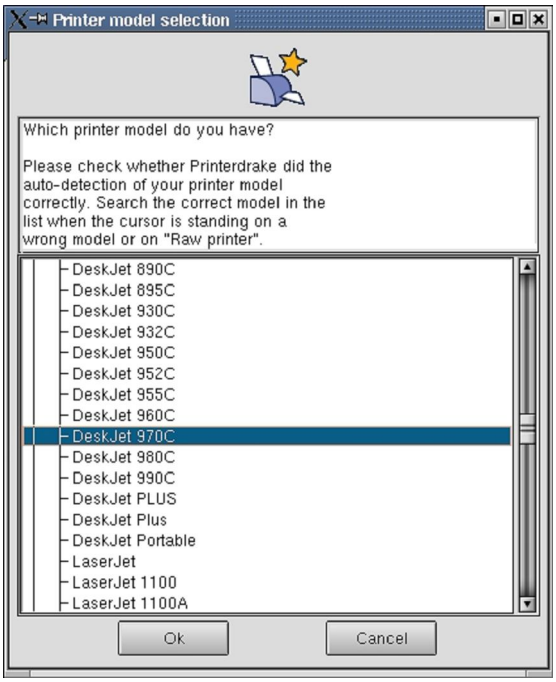
Step 5.
You will be presented with the list of available connections. Choose "*Local Printer*" if you are connecting a printer directly to a parallel / USB port of your computer, in most cases the printer model will be auto-detected.


Select Printer Connection
How is the printer connected?
Printers on remote CUPS servers you do not have to configure
here; these printers will be automatically detected. Please
select "Printer on remote CUPS server" in this case.
Local printer
Printer on remote CUPS server
Printer on remote lpd server
Network printer (socket)
Printer on SMB/Windows 95/98/NT server
Ok
Cancel

Step 6.
You need to provide a name for your printer, to easily identify it if you need to, e.g. lp, and optionally a Printer description and a physical location. Click "*OK*".

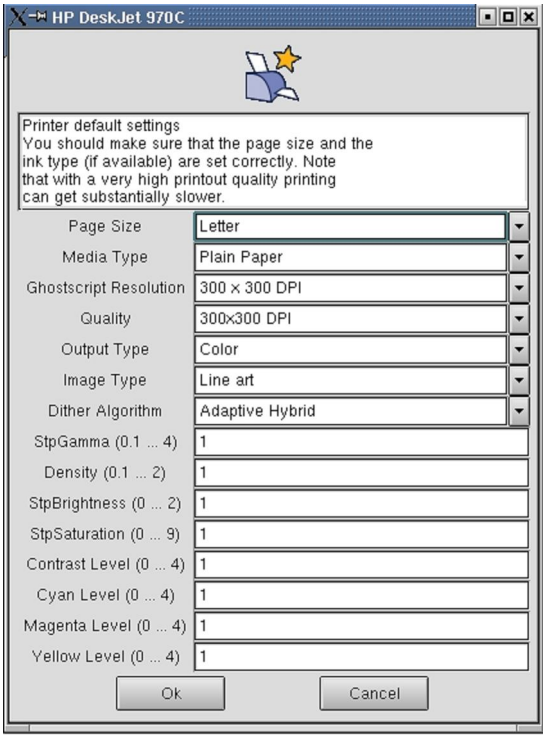
Step 7.

Next, you will be presented with the list of supported printers. Check whether Printerdrake did the auto-detection of your printer model correctly. Search for the correct model or a compatible model in the list if the cursor is pointing to the wrong model. Click "*OK" to proceed*.

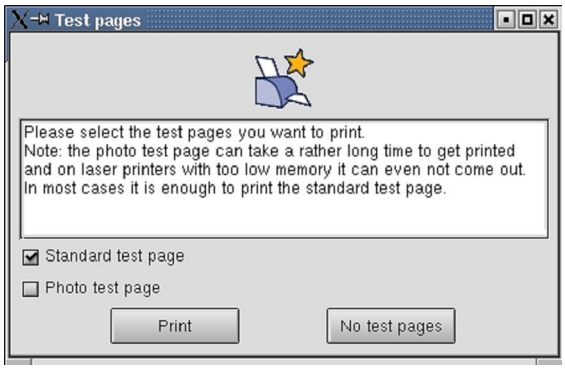


Step 8.

In the next screen, you will be presented with the settings associated with the chosen driver. If the settings are correct, click "OK".



Step 9.
Set the printer as the default printer and print a test page to ensure the configuration is correct.


Test pages
Please select the test pages you want to print.
Note: the photo test page can take a rather long time to get printed and on laser printers with too low memory it can even not come out. In most cases it is enough to print the standard test page.
Standard test page
Photo test page
Print
No test pages

The above printer setup can also be accomplished under KDE Main Menu Button (on the Panel) => Control Center => System => Printing Manager.

2.2.3. Setting Up a Printer in WinConnect Server XP Host or Windows Terminal Server

After connecting to the WinConnect Server XP Host or Windows Terminal Server, you will have a new printer available to Windows applications. Under Windows XP, this printer will be called something like lp (from XXX) where XXX is the Linux station name. Under Windows Server 2003 and Windows Small Business Server 2003, it will be called lp/XXX/ Session 2 where XXX is the Linux station name.

Printing to this printer from the Windows applications will send print data to your local Linux printer.

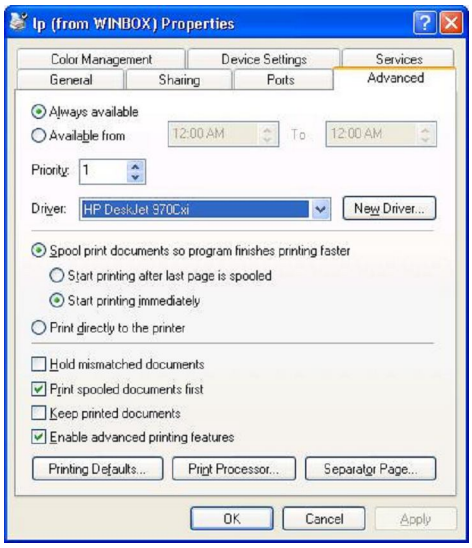
You may be asked to install printer drivers on the WinConnect Server XP Host or Windows Terminal Server if your Linux printer model is not already available on the server.

To install the printer drivers on the WinConnect Server XP Host or Windows Terminal Server

Step 1.
Connect to a WinConnect Server XP Host or Windows Terminal Server.

Step 2.
On the Windows desktop, select Main Menu Start Button (on the Panel) => Settings => Printers and Faxes. Right-click on the *"lp (from XXX)"* printer icon where XXX is the Linux station name and select *"Properties"*.

Step 3.
Under Advanced tab, Windows will try to detect what printer is attached to the printer device as shown below. Select the appropriate printer driver from the list and click on the *"OK"* button to save the settings.

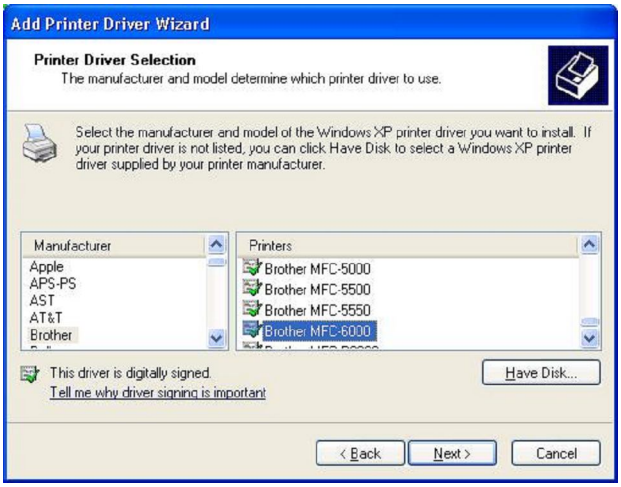


If you are not able to locate the Windows printer drivers from the list, click on the *"New Driver..."* button to start the Add Printer Driver Wizard. Click *"Next"* to proceed.

Add Printer Driver Wizard
Welcome to the Add Printer Driver Wizard
This wizard helps you install a new printer driver.
To continue, click Next.
< Back
Next >
Cancel

Step 4.

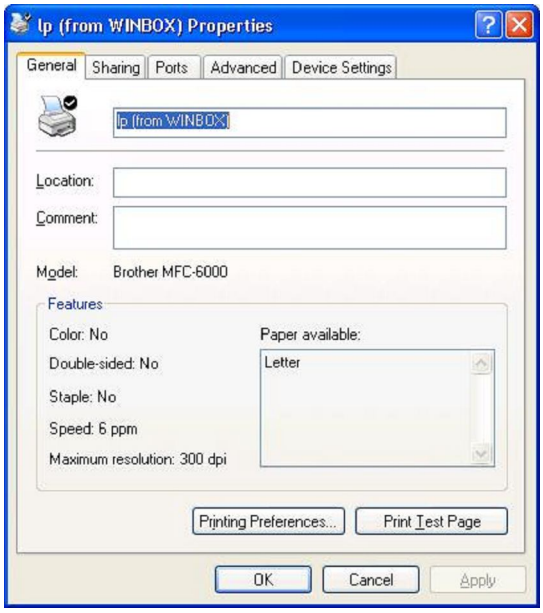
Select the manufacturer and model of your printer. Then click on *"Next"* button.


Add Printer Driver Wizard
Printer Driver Selection
The manufacturer and model determine which printer driver to use.
Select the manufacturer and model of the Windows XP printer driver you want to install. If your printer driver is not listed, you can click Have Disk to select a Windows XP printer driver supplied by your printer manufacturer.
Manufacturer
Apple
APS-PS
AST
AT&T
Brother
Printers
Brother MFC-5000
Brother MFC-5500
Brother MFC-5550
Brother MFC-6000
This driver is digitally signed.
Tell me why driver signing is important
Have Disk...
< Back
Next >
Cancel

Step 5.
You have now successfully installing the printer drivers. Click on "Finish" to quit from the Add Printer Driver Wizard.

Add Printer Driver Wizard
Completing the Add Printer Driver Wizard
You have successfully completed the Add Printer Driver Wizard.
You are about to add the following drivers:
Brother MFC-6000, Intel, Windows 2000 or XP
To close this wizard, click Finish.
< Back
Finish
Cancel

Step 6.
Set the printer as the default printer and print a test page to ensure the configuration is correct.

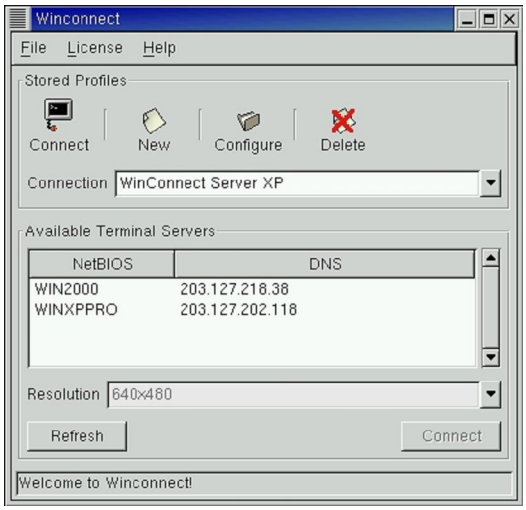


2.2.4. Setting Up a Printer in WinConnect Remote Desktop Client

Step 1.
On the GNOME desktop, select Main Menu Button (on the Panel) => Programs => Applications => WinConnect.

You can also run WinConnect from a terminal session/window by running the command:

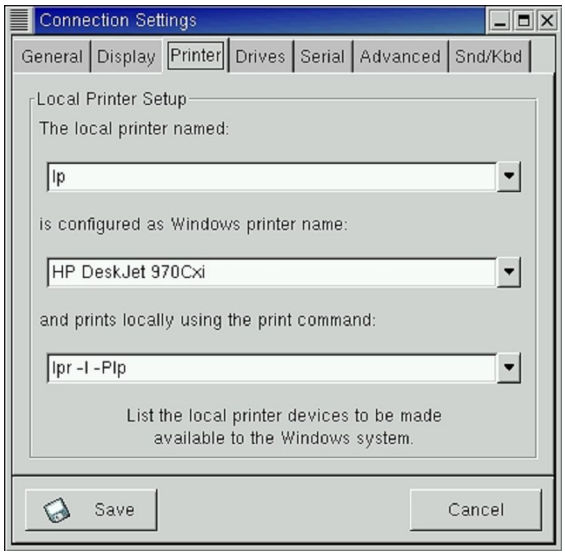
Step 2.
Once a Connection profile has been created (refer to "Connecting to a WinConnect Server Host or Windows Terminal Server), click on "*Configure*" icon.



Step 3.
All existing Linux print queues can be seen by clicking the drop-down arrow. After selecting the desired print queue, associate it with a Windows printer driver.

For example, if you had a HP DeskJet 970Cxi printer connected to your Linux system as *"lp"*, click on the drop-down arrow of the Windows driver and select the HP DeskJet 970Cxi.

Click *"Save"* to quit from the connection settings.



If you are not able to locate the Windows printer drivers in the WinConnect user interface, and it is installed on the Windows Terminal Server, you can enter it manually in the WinConnect user interface.

As the printer driver must be specified exactly including spaces and capitalization, the easiest way to do this is to make use of the WinConnect cut-and-paste functionality. Logon to your Windows server with WinConnect in windowed (not full screen) mode. If your server is Windows 2000, select *Settings->Printers* from the Start menu. If the server is Windows XP, Windows Server 2003 or Windows Small Business Server 2003, select *Printers and Faxes* from the Start menu. Right click on the appropriate printer driver. Highlight the printer name on the General tab, right click and select copy.

On the Linux computer, open another copy of the WinConnect Connection Manager. Select the profile that you wish to edit and select Configure. Place the cursor in the "Windows printer name" field and press CTRL-V to paste. The correct printer name will be pasted into the printer configuration.

Alternately, you can add it to the drop down list in WinConnect user interface by editing the file:

/usr/local/share/winconnect/tsprinters

2.3. Configuring a Serial Printer

2.3.1. Setting Up a Serial Printer in WinConnect Remote Desktop Client

Step 1.

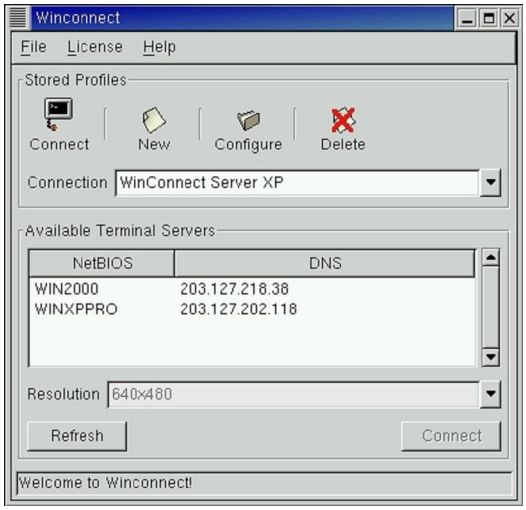
On the GNOME desktop, select Main Menu Button (on the Panel) => Programs => Applications => WinConnect.

You can also run WinConnect from a terminal session/window by running the command:

winconnect

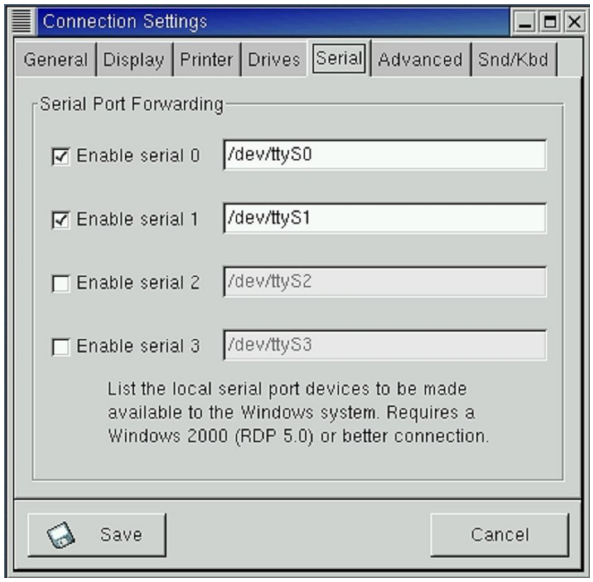
Step 2.

Once a Connection profile has been created (refer to "Connecting to a WinConnect Server Host or Windows Terminal Server), click on "*Configure*" icon.



Step 3.

On the **Serial** tab are entry fields for enabling a serial printer or modem connected to the Linux machine to be able to print or communicate from the Remote Desktop session. Enable the serial port where the device is attached e.g. enable Serial Port 0 for COM1, Serial Port 1 for COM2 etc. Click on the *"Save"* button to save your connection settings.


Connection Settings
General Display Printer Drives Serial Advanced Snd/Kbd
Serial Port Forwarding
Enable serial 0 /dev/ttyS0
Enable serial 1 /dev/ttyS1
Enable serial 2 /dev/ttyS2
Enable serial 3 /dev/ttyS3
List the local serial port devices to be made available to the Windows system. Requires a Windows 2000 (RDP 5.0) or better connection.
Save
Cancel

Step 4.

Set the printer as the default printer and print a test page to ensure the configuration is correct.

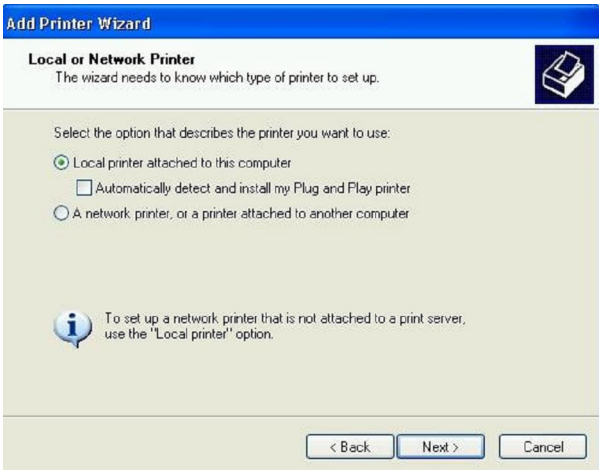
2.3.2. Setting Up a Serial Printer in WinConnect Server XP Host or Windows Terminal Server

Step 1.
Connect to a WinConnect Server XP Host or Windows Terminal Server.

Step 2.
On the Windows desktop, select Main Menu Start Button (on the Panel) => Settings => Printers and Faxes to start the Add Printer Wizard. Click on the *"Next"* button to proceed.

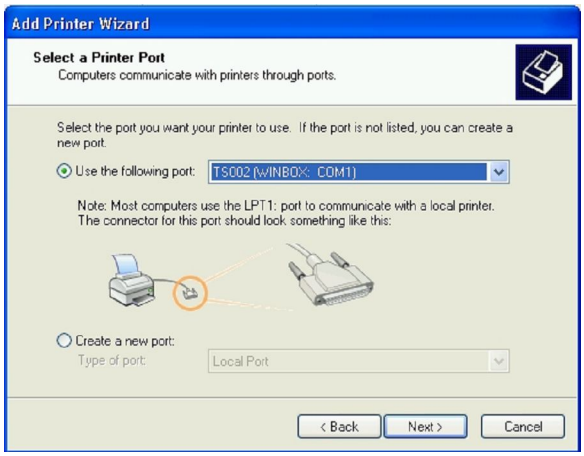
Add Printer Wizard
Welcome to the Add Printer Wizard
This wizard helps you install a printer or make printer connections.
If you have a Plug and Play printer that connects through a USB port (or any other hot pluggable port, such as IEEE 1394, infrared, and so on), you do not need to use this wizard. Click Cancel to close the wizard, and then plug the printer's cable into your computer or point the printer toward your computer's infrared port, and turn the printer on. Windows will automatically install the printer for you.
To continue, click Next.
< Back
Next >
Cancel

Step 3.
Select the option *"Local printer attached to this computer"* and click on the *"Next"* button.

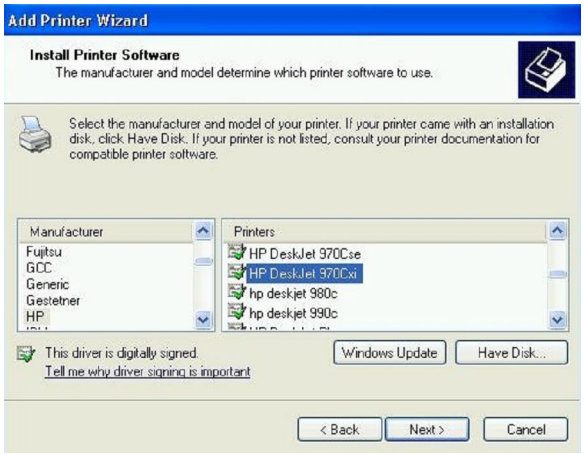

Add Printer Wizard
Local or Network Printer
The wizard needs to know which type of printer to set up.
Select the option that describes the printer you want to use:
Local printer attached to this computer
Automatically detect and install my Plug and Play printer
A network printer, or a printer attached to another computer
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< Back
Next >
Cancel

Step 4.
All the available ports can be seen by clicking the drop-down arrow.

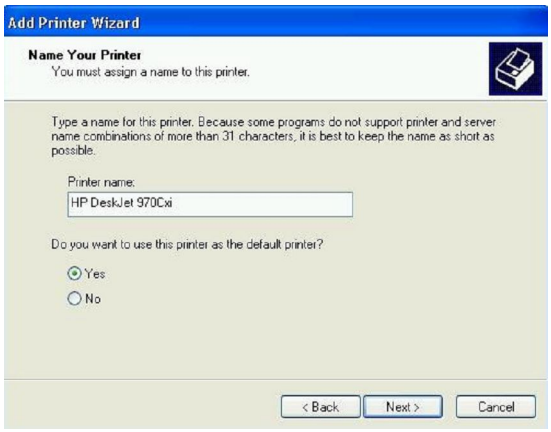
Click on the drop-down arrow of the ports listing and select the port where the printer is connected e.g. TS002 (from XXX) where XXX is the Linux station name. Click on *"Next"* button to proceed.


Add Printer Wizard
Select a Printer Port
Computers communicate with printers through ports.
Select the port you want your printer to use. If the port is not listed, you can create a new port.
Use the following port:
TS002 (WINBOX: COM1)
Note: Most computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this:
Create a new port:
Type of port:
Local Port
< Back
Next >
Cancel

Step 5.
Select the manufacturer and model of your printer. Then click on *"Next"* button.


Add Printer Wizard
Install Printer Software
The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Manufacturer
Fujitsu
GCC
Generic
Gestetner
HP
Printers
HP DeskJet 970Cse
HP DeskJet 970Cxi
hp deskjet 980c
hp deskjet 990c
This driver is digitally signed.
Tell me why driver signing is important
Windows Update
Have Disk...
< Back
Next >
Cancel

Step 6.
Assign a name to the serial printer and click on the *"Next"* button.


Add Printer Wizard
Name Your Printer
You must assign a name to this printer.
Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible.
Printer name:
HP DeskJet 970Cxi
Do you want to use this printer as the default printer?
Yes
No
< Back
Next >
Cancel

Step 7.
You have now successfully configuring the serial printer. Click on "Finish" to quit from the Add Printer Wizard.

2.4. Configuring a Serial Port Modem

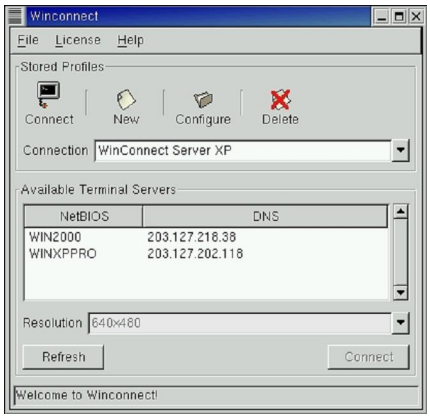
2.4.1. Setting Up a Serial Port Modem in WinConnect Remote Desktop Client

Step 1.
On the GNOME desktop, select Main Menu Button (on the Panel) => Programs => Applications => WinConnect.

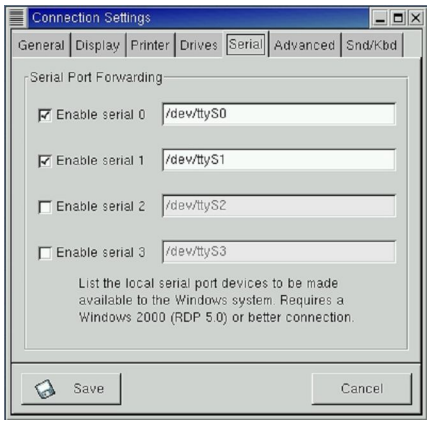
You can also run WinConnect from a terminal session/window by running the command:

winconnect

Step 2.
Once a Connection profile has been created (refer to "Connecting to a WinConnect Server Host or Windows Terminal Server), click on "*Configure*" icon.



Step 3.
On the **Serial** tab are entry fields for enabling a serial printer or modem connected to the Linux machine to be able to print or communicate from the Remote Desktop session. Enable the serial port where the device is attached e.g. enable Serial Port 0 for COM1, Serial Port 1 for COM2 etc. Click on the *"Save"* button to save your connection settings.


Connection Settings
General Display Printer Drives Serial Advanced Snd/Kbd
Serial Port Forwarding
Enable serial 0 /dev/ttyS0
Enable serial 1 /dev/ttyS1
Enable serial 2 /dev/ttyS2
Enable serial 3 /dev/ttyS3
List the local serial port devices to be made available to the Windows system. Requires a Windows 2000 (RDP 5.0) or better connection.
Save
Cancel

2.4.2. Setting Up a Serial Port Modem in WinConnect Server XP Host or Windows Terminal Server

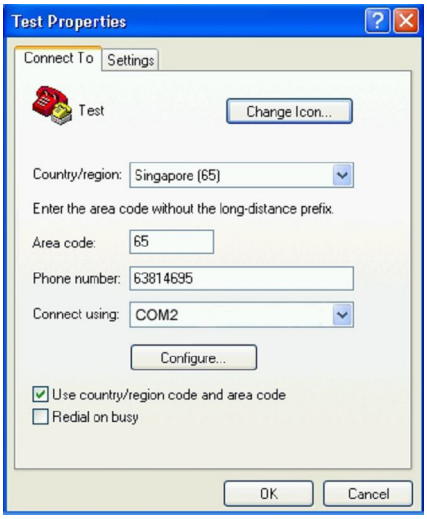
Follow the instructions below to set up a serial port modem in the WinConnect Server XP Host or Windows Terminal Server. The Remote Desktop Client can only be connected to the other computers via Hyperterminal. Dial up Networking is currently not supported.

Step 1.
Connect to a WinConnect Server XP Host or Windows Terminal Server.

Step 2.
On the Windows desktop, select Main Menu Start Button (on the Panel) => Programs =>

Accessories => Communications => Hyperterminal. Create a new connection and click on *"OK"* button.

Step 3.
The last step is to configure the connection settings and click on *"OK"* button.



2.5. Connecting to a Remote Windows Server Using a Dial-up Modem

To set-up a Dial-up connection, ensure that the serial ports and modem have been installed; and supporting Point to Point Protocol (PPP). One way to check for serial-port recognition is to use the *dmesg* command under Linux which displays the boot message. Run the *dmesg* command (piped through the *less* command) and look for lines in the output describing serial ports similar to the following:

 # dmesg | less
.....
ttyS00 at 0x03f8 (irq=4) is a 16550A
ttyS01 at 0x02fb (irq=5) is a 16550A
ttyS03 at 0x02e8(irq=3) is a 16550A
.....

To check if PPP exist on the system, use the *dmesg* command again.

 # dmesg | less
.....
PPP: version 2.3.7
PPP line discipline registered

Another quick way to check if PPP is installed is to use the *rpm* command.

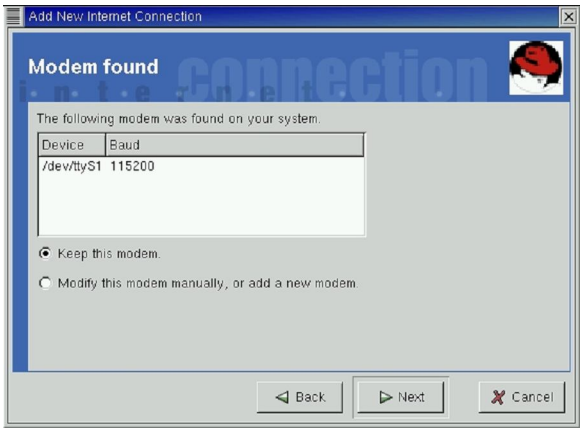
 # rpm -q ppp
ppp-2.3.11-7

2.5.1. Setting Up a Dialer from GNOME Desktop Panel

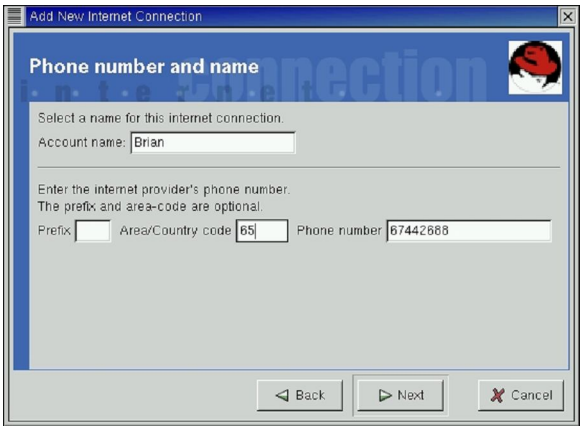
Step 1.
On the GNOME desktop, select Main Menu Button (on the Panel) => Programs => Internet => Dialup Configuration to create a new Internet connection. Click on the *"Next"* button to proceed.

Add New Internet Connection
Create a new Internet Connection
This dialog will help you set up a new Internet Connection.
You can hit cancel at any point to stop.
Back
Next
Cancel

Step 2.
If the symbolic link /dev/modem/ does not exist, click on *"Add"* and then *"Next"* to query the modem. If a modem is found, click on the *"Keep this modem"* and *"Next"* buttons to select device as *"/dev/ttyS0"*.

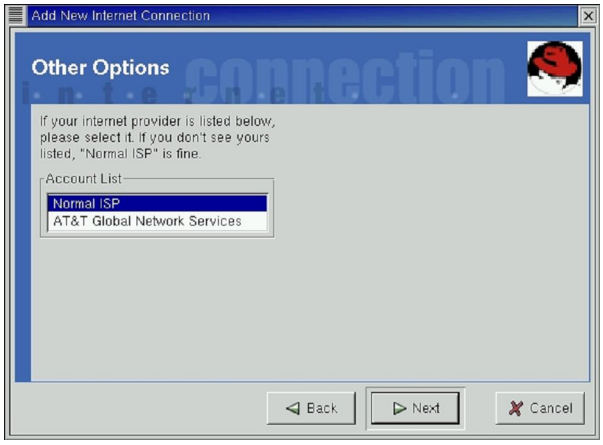


Step 3.
Enter a name for the dialup account, along with the ISP's dialup number. Then click on the *"Next"* button.

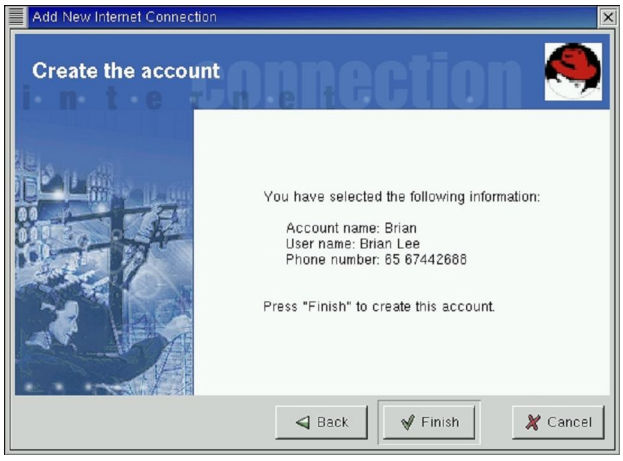


Step 4.
Enter your assigned username and password. Click on *"Next"* button to proceed.

Step 5.
In the next screen, you will be asked to select your ISP. If your ISP is not listed, just select Normal ISP and click on *"Next"* button.


Add New Internet Connection
Other Options
If your internet provider is listed below, please select it. If you don't see yours listed, "Normal ISP" is fine.
Account List
Normal ISP
AT&T Global Network Services
Back
Next
Cancel

Step 6.
Click on *"Finish"* to save the account.



Step 7.
To start your PPP connection, select Main Menu Button (on the Panel) => Programs => Internet => RH PPP Dialer.

Step 8.
Select the ISP account that you have created and click on *"OK"* to start the connection.

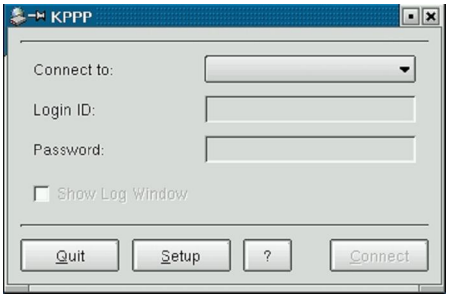
Note: In order to connect to Internet successfully, you may need to specify your ISP's DNS servers in your system's /etc/resolv.conf file.

e.g enter the line using this format:

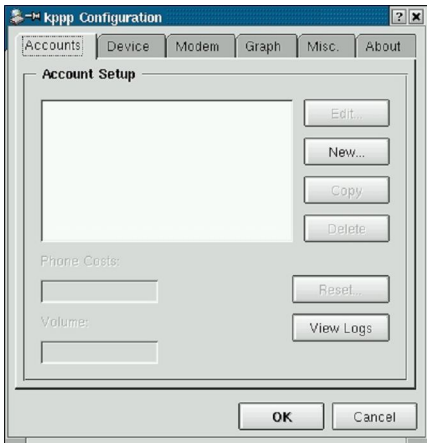
nameserver 165.21.83.88
nameserver 165.21.100.88

2.5.2. Setting Up a Dialer from KDE Desktop Panel

Step 1.
On the KDE desktop, select Main Menu Button (on the Panel) => Internet => Internet Dialer. You should see the KPPP configuration dialog box similar to the one. Click on *"Setup"* button.



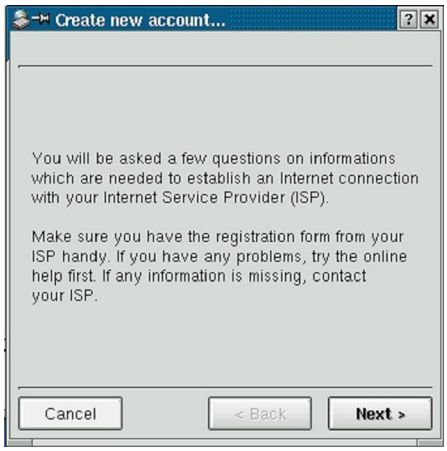
Step 2.
Under the Account tab, click on the *"New"* button.



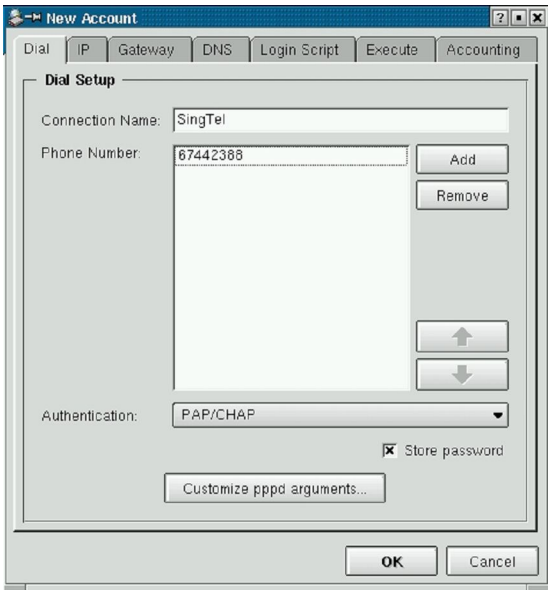
Step 3.
Click on *"Dialog Setup"* to create the new account.

Create a new account...
Do you want to use the wizard to create the new account or the standard, dialog-based setup?
The wizard is easier and sufficient in most cases. If you need very special settings, you might want to try the standard, dialog-based setup.
Wizard
Dialog setup
Cancel

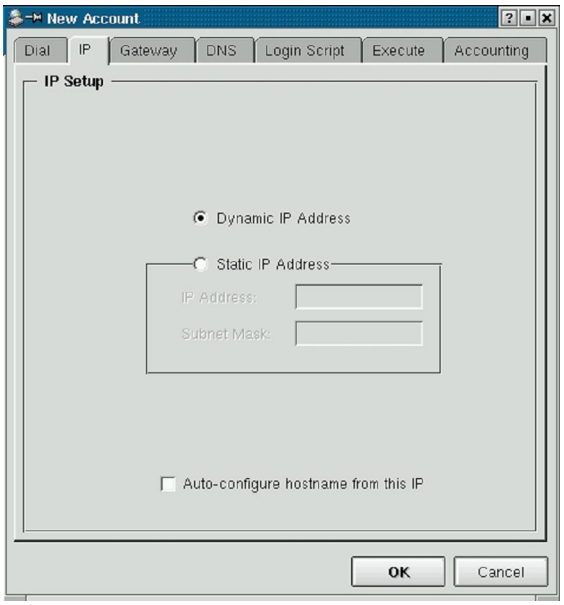
Step 4.
Follow the instructions on the screen. Click "Next" to proceed.


Create new account...
You will be asked a few questions on informations which are needed to establish an Internet connection with your Internet Service Provider (ISP).
Make sure you have the registration form from your ISP handy. If you have any problems, try the online help first. If any information is missing, contact your ISP.
Cancel
< Back
Next >

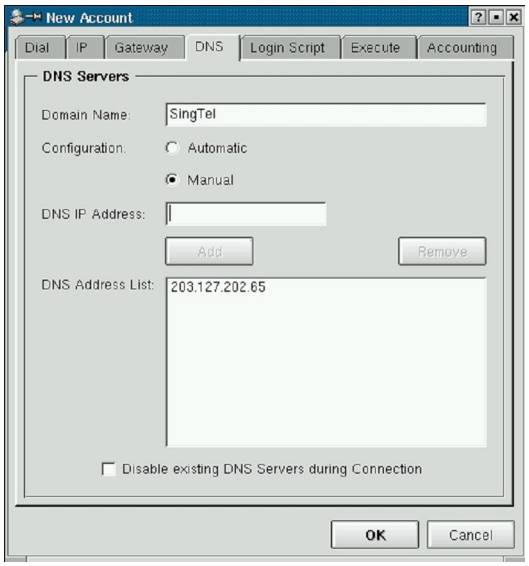
Step 5.
Enter the name of your ISP along with the ISP's phone number.



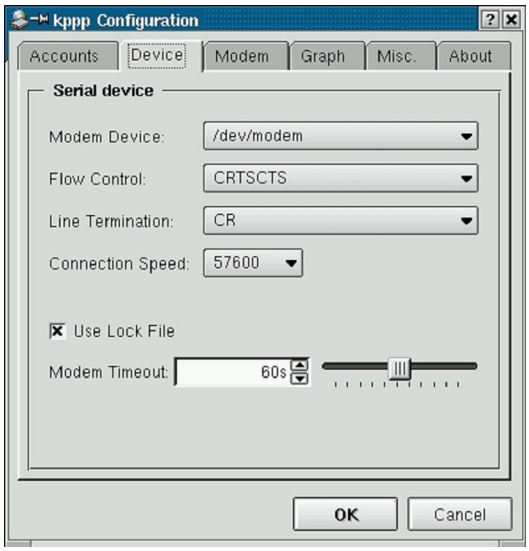
Step 6.
Click on the IP tab and select whether it is a dynamic or static IP address assigned to your computer.



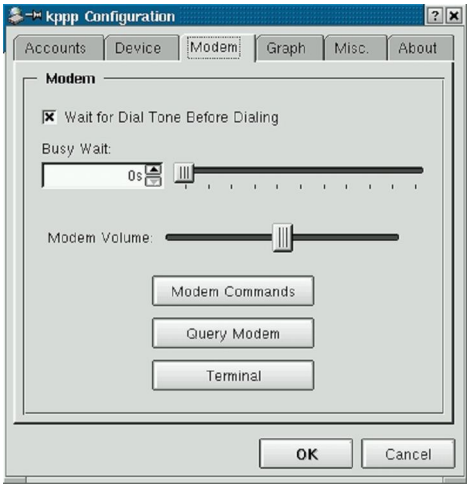
Step 7.
Click on the DNS tab to enter your ISP's DNS IP address.



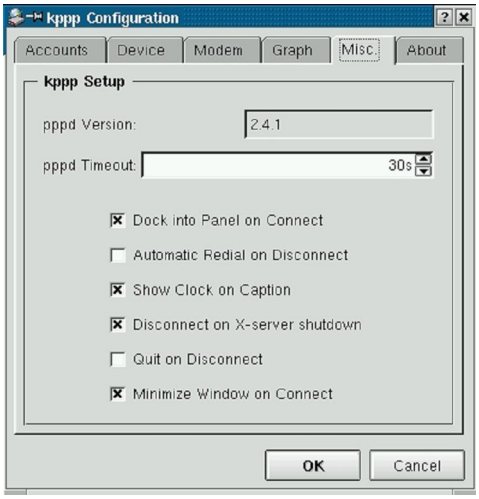
Step 8.
Under the Device tab, select the correct modem device and connection speed for your modem.



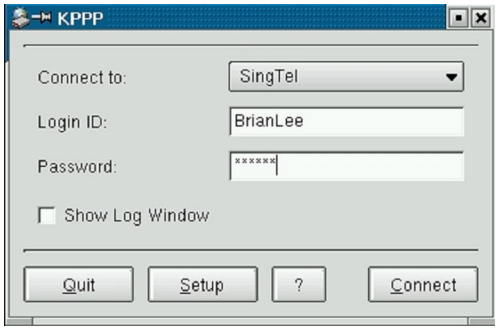
Step 9.
Under the Modem tab, you can change the default modem AT commands, query your modem, or test your modem by using KPPP's built-in terminal program. You can also change the modem's volume by using the slider control in the dialog box.



Step 10.
Under the Misc. Tab, you can select or deselect the options according to your preference. If you click *"Dock into Panel"* on connect, KPPP will display satiny modem icon with blinking send and receive lights.



Step 11.
After you have configured the Internet dialer settings, click *"OK"* and the KPPP windows will appear as shown below. To start your Internet connection, click on the *"Connect"* button.



2.6. Automating a Terminal Connection

You can run WinConnect from your Linux startup scripts. If the terminal is to be used by multiple users, you can customize each user's connection individually.

The script that automatically runs on login can be found in:

/home/user name/.bashrc

As each user runs a different script, these scripts can be customized on a per-user basis.

If WinConnect is placed in the .bashrc script with no parameters, it will run automatically and display the standard user interface. There are several command line parameters supported by WinConnect that can be used to customize the connection on a per-user basis. These are:

-c : If there is a default connection profile defined, WinConnect will automatically connect to the server using that profile. If there is no default profile, WinConnect will seek out a WinConnect Server XP Host or Windows Terminal Server on the network. If one is found, it will automatically connect to it.

Example: *winconnect –c*

Connection name: If you specify a connection profile name, WinConnect will automatically connect using that profile.

Example: *winconnect accounting*

Using the connection name parameter, you can edit each user's .bashrc file to automatically connect them to a WinConnect Server XP Host or Windows Terminal Server using a different connection profile.

Upon termination of the Remote Desktop session, the user will return to the Linux desktop. If you wish the user to return to the Linux login, you should add the command *"logout"* to the .bashrc file following the winconnect command.

As an example, if you wanted user Rosa to automatically connect to the accounting server on logging in, you would edit the file

/home/Rosa/.bashrc

You would add the lines

Winconnect "accounting-profile"
logout

to the end of the file. You would then use the WinConnect user interface to create a connection profile named *"accounting-profile"* (without the quotes).

If your profile name consists entirely of alpha-numeric characters (no hyphens, for example) the quotes aren't required.

2.7. Uninstalling WinConnect Remote Desktop Client Software

Part of the install process is to create a script that will uninstall WinConnect. This script is called "uninstall" and is in the WinConnect directory. The command to uninstall WinConnect is:

sh /usr/local/share/winconnect/uninstall

Run this script and all WinConnect files, links, and directories will be removed.

2.8. OpenLinux problem

Under Caldera OpenLinux 2.4, the link to the terminal server browser program is hidden by a link that OpenLinux creates to load Netscape. To workaround this issue, remove the OpenLinux link before installing WinConnect:

rm /usr/bin/browser

On the OpenLinux 2.4 KDE desktop, a menu entry for WinConnect is not created. You can still run WinConnect from a terminal by running the command:

winconnect

2.9. Browser problem

The WinConnect "browser" program tries to discover the WinConnect Server XP Hosts or Windows Terminal Servers on your subnet. Discovered servers are displayed in the WinConnect user interface.

If the technique used by the browser does not work on your network, or if you wish to have terminal servers outside your subnet appear in the WinConnect *"Available Terminal Servers"* list, you can manually add servers to the list by editing the file:

/usr/local/share/winconnect/tshosts

2.10. Registration/ Licensing

To register the software, select "License" from the WinConnect menu and then select *"Individual License"* to license a single copy of WinConnect or *" Site License"* to license multiple copies of WinConnect.

2.10.1. WinConnect Individual License Activation

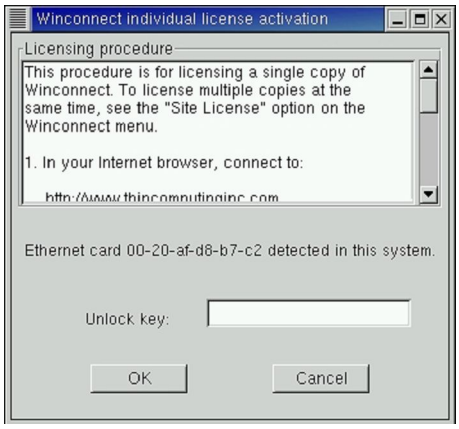
Note: Please make sure that WinConnect is running correctly under demo mode before licensing WinConnect.

Step 1.
In the Internet browser, connect to the web site at:

http://www.thinsoftinc.com

Step 2.
Go to the Purchase, WinConnect Single License web page.

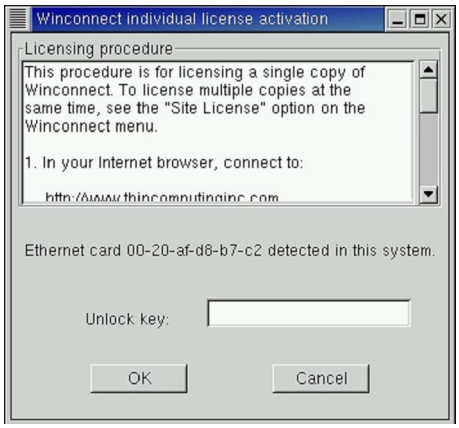
Step 3.
Enter the Ethernet (MAC) address you see below into the form on that web page.


Winconnect individual license activation
Licensing procedure
This procedure is for licensing a single copy of Winconnect. To license multiple copies at the same time, see the "Site License" option on the Winconnect menu.
1. In your Internet browser, connect to:
Ethernet card 00-20-af-d8-b7-c2 detected in this system.
Unlock key:
OK
Cancel

Step 4.
Continue through the purchasing process.

Step 5.
After a successful purchase, you will receive an unlock code.

Step 6.
Enter the unlock code in the entry box as shown below.


Winconnect individual license activation
Licensing procedure
This procedure is for licensing a single copy of Winconnect. To license multiple copies at the same time, see the "Site License" option on the Winconnect menu.
1. In your Internet browser, connect to:
Ethernet card 00-20-af-d8-b7-c2 detected in this system.
Unlock key:
OK
Cancel

Step 7.
Congratulations! You now have a licensed copy of WinConnect software.

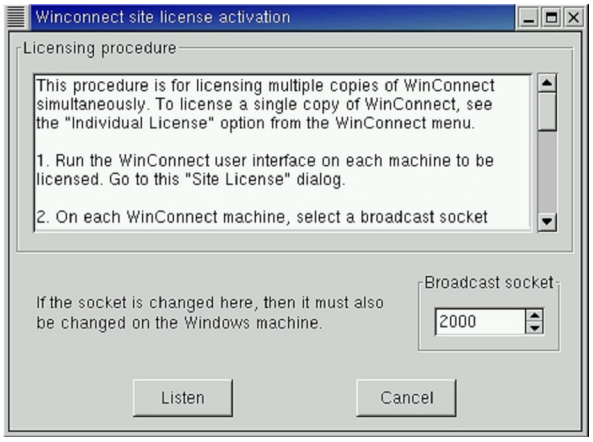
2.10.2. WinConnect Site License Activation

Note: Please make sure that WinConnect is running correctly under demo mode before licensing WinConnect.

Step 1.
Run the WinConnect user interface on each of the machine to be licensed.

Step 2.
Select License from the WinConnect menu and then select *"Site License"*.

Step 3.
On each WinConnect machine, select a broadcast socket and click on the "Listen" button. The broadcast socket should be the same on all machines.


Winconnect site license activation
Licensing procedure
This procedure is for licensing multiple copies of WinConnect simultaneously. To license a single copy of WinConnect, see the "Individual License" option from the WinConnect menu.
1. Run the WinConnect user interface on each machine to be licensed. Go to this "Site License" dialog.
2. On each WinConnect machine, select a broadcast socket
If the socket is changed here, then it must also be changed on the Windows machine.
Broadcast socket
2000
Listen
Cancel

Step 4.
On a Windows machine on this network, open Microsoft Internet Explorer, connect to the web site at:

http://www.thinsoftinc.com

and go to the Purchase, WinConnect Site License web page.

Step 5.
An Active X Control will be downloaded to the Windows machine, which will contact all the WinConnect machines that are listening.

Step 6.
On the Windows machine, complete the licensing steps on the web site and all listening copies of WinConnect will be automatically licensed.

2.11. Updating WinConnect

If you wish to update your WinConnect software to the most recent version, you can do so by downloading it from our web site.

1. Log in as root.
2. Download the new version of WinConnect from *http://www.thinsoftinc.com*.
3. Before installing, note the unlock code from the WinConnect *"Menu>License>Show information"* dialog box.

   Note: If you are upgrading from versions prior to 1.3, please email support@thinsoftinc.com for assistance.
4. Uninstall the installed version of WinConnect. From a terminal session run sh /usr/local/share/winconnect/uninstall.
5. Install the new version of WinConnect following the standard installation instructions. Restart the computer after successfully installing the WinConnect software.
6. Use the unlock code saved in step 3 to unlock the new version.

You have now successfully updated your WinConnect software to the most recent version.

3. Microsoft Windows Remote Desktop Client Setup

3.1. Installing the Remote Desktop Client Software for Windows System

The Remote Desktop Client software allows Windows platforms to remotely connect to a WinConnect Server XP Host to run Windows applications.

a. The Remote Desktop Client software for Microsoft Windows 95, Windows 98, Windows Me, Windows NT, Windows 2000, Windows XP, Windows Server 2003, Windows Small Business Server 2003 and Windows CE is available for download at the Microsoft web site, http://www.microsoft.com/downloads/details.aspx?FamilyID=80111f21-d48d-426e-96c2-08aa2bd23a49&DisplayLang=en.

b. The Remote Desktop Client software for Microsoft Windows Vista, Microsoft Windows XP with Service Pack 2 or Microsoft Windows Server 2003 with Service Pack 1 is available for download at the Microsoft web site, http://www.microsoft.com/downloads/details.aspx?FamilyID=26f11f0c-0d18-4306-abcf-d4f18c8f5df9&DisplayLang=en.

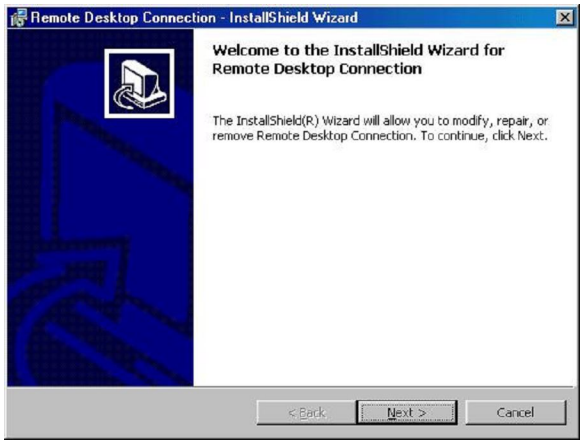
   This version of Remote Desktop Terminal Services Client software provides a way to use any new Terminal Services features introduced in Microsoft Windows Vista and Microsoft Windows Server Code Name "Longhorn" from a computer running Microsoft Windows XP with Service Pack 3 or Microsoft Windows Server 2003 with Service Pack 2.

The client software is installed by default on computers running Windows Server 2003, Windows Small Business Server 2003 (Premium or Standard Edition) and Windows XP (Professional or Home Edition).

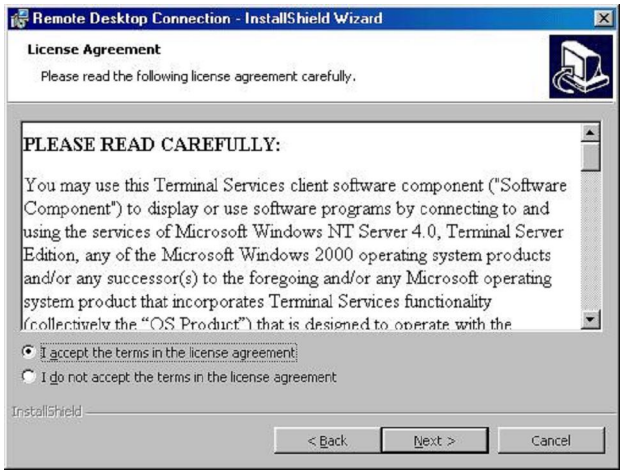
To install Remote Desktop Client software on a client computer:

Step 1.
Locate the Remote Desktop Client software where you have download and saved onto your hard disk. Double-click on the filename and you should see the screen similar to the one below.

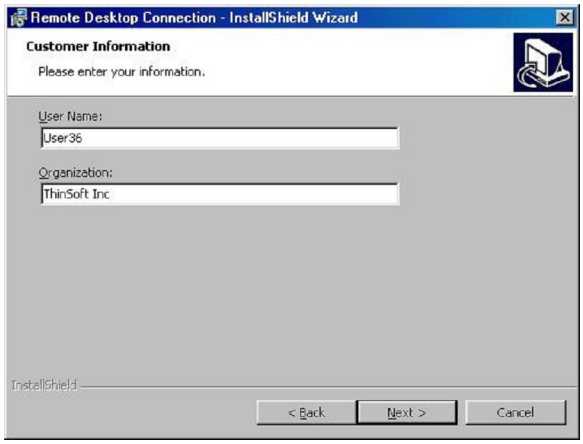
Click on the *"Next"* button to proceed.


Remote Desktop Connection - InstallShield Wizard
Welcome to the InstallShield Wizard for Remote Desktop Connection
The InstallShield(R) Wizard will allow you to modify, repair, or remove Remote Desktop Connection. To continue, click Next.
< Back
Next >
Cancel

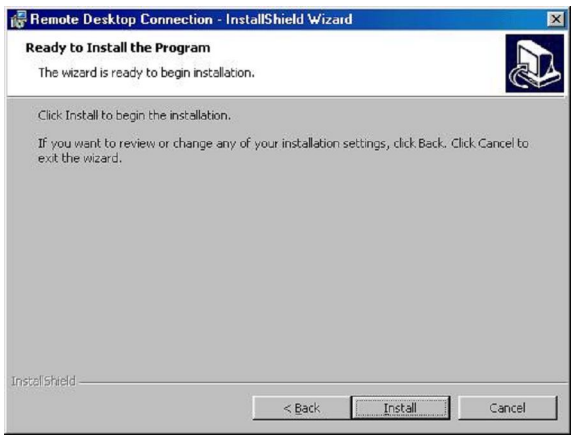
Step 2.
Follow the instructions on the screen. After reading and accepting the license agreement, click on the *"I Accept…"* button.


Remote Desktop Connection - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
PLEASE READ CAREFULLY:
You may use this Terminal Services client software component ("Software Component") to display or use software programs by connecting to and using the services of Microsoft Windows NT Server 4.0, Terminal Server Edition, any of the Microsoft Windows 2000 operating system products and/or any successor(s) to the foregoing and/or any Microsoft operating system product that incorporates Terminal Services functionality (collectively the "OS Product") that is designed to operate with the
I accept the terms in the license agreement
I do not accept the terms in the license agreement
InstallShield
< Back
Next >
Cancel

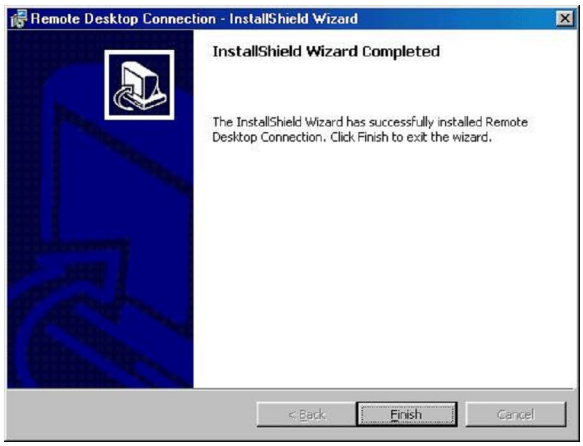
Step 3.
Provide the Customer Information as requested.



Step 4.
Click on the *"Install"* button to begin the installation.


Remote Desktop Connection - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

Step 5.
Congratulations! You have now fully installed the Remote Desktop Client software.
Click *"Finish"* to quit from the InstallShield Wizard.


Remote Desktop Connection - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed Remote Desktop Connection. Click Finish to exit the wizard.
< Back
Finish
Cancel

If you need any technical assistance or more information on the Microsoft Remote Desktop Client Software, please refer to Microsoft web site at *http://www.microsoft.com*.

3.2. Start a Remote Desktop Session

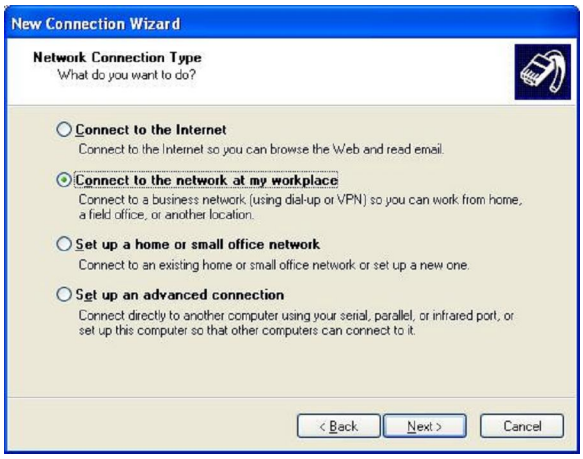
Once you have setup the WinConnect Server XP Host computer to allow remote connections, and installed client software on a Windows-based client computer, you are ready to start a Remote Desktop session. You must first establish a virtual private network connection, Internet connection or remote access service connection from your client computer to your office network, or Host computer.

3.2.1. To make a virtual private network (VPN) connection

Step 1.
Open *Network Connections*. (Click *Start*, click *Control Panel*, *click Network and Internet Connections*, and then click *Network Connections*.)

Step 2.
Under *Network Tasks*, click *Create a new connection*, and then click *Next*.

Step 3.
Click *Connect to the network at my workplace*, and then click *Next* as shown below.


New Connection Wizard
Network Connection Type
What do you want to do?
Connect to the Internet
Connect to the Internet so you can browse the Web and read email.
Connect to the network at my workplace
Connect to a business network (using dial-up or VPN) so you can work from home, a field office, or another location.
Set up a home or small office network
Connect to an existing home or small office network or set up a new one.
Set up an advanced connection
Connect directly to another computer using your serial, parallel, or infrared port, or set up this computer so that other computers can connect to it.
< Back
Next >
Cancel

Step 4.

Click *Virtual Private Network connection*, click *Next*, and then follow the instructions in the wizard.

Notes: You can create multiple VPN connections by copying them in the Network Connections folder. You can then rename the connections and modify connection settings. By doing so, you can easily create different connections to accommodate multiple hosts, security options, and so on.

If you have an active Winsock Proxy client, you cannot create a VPN. A Winsock Proxy client immediately redirects data to a configured proxy server before the data can be processed in the fashion required by a VPN. To establish a VPN, you should disable the Winsock Proxy client.

3.2.2. To create a new Remote Desktop Connection

Step 1.

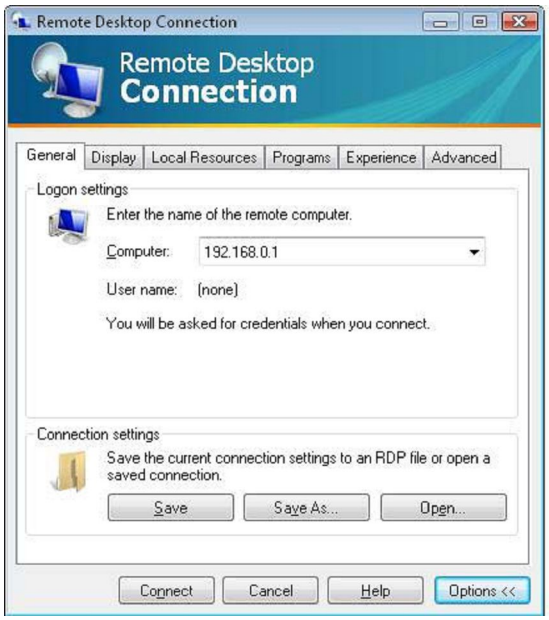
Open *Remote Desktop Connection*. (Click *Start*, point to *Programs* or *All Programs*, point to *Accessories*, point to *Communications*, and then click *Remote Desktop Connection*.)

Step 2.

Click on the *Options* button to configure the Windows logon and connection settings.

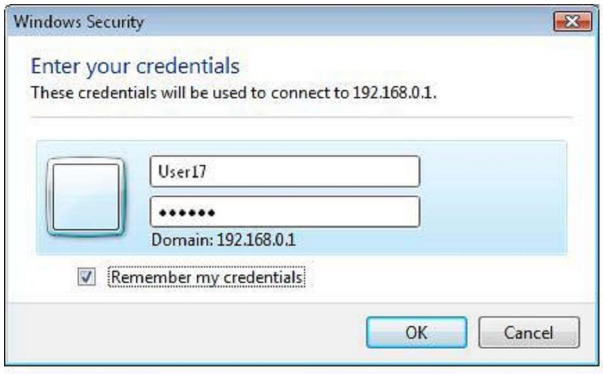
Step 3.

In *Computer*, type the computer name or IP address of the WinConnect Server XP Host. Click *Connect*.



Step 4.

Type your user name and password, and then click ok to save the settings and make connection to the WinConnect Server XP system.



The *Log On to Windows* dialog box appears.

Step 5.

In the *Log On to Windows* dialog box, type your user name and password (if required), and then press the *Enter* key. The Remote Desktop window will open and you will see the desktop settings, files, and programs that are on your office computer. Your office computer will remain locked. Nobody will be able to work at your office computer without a password, nor will anyone see the work you are doing on your office computer remotely.

Note: To change your connection settings, (such as screen size, automatic logon information, and performance options), click *Options* before you connect.

3.2.3. To open a saved connection

Step 1.
In Windows Explorer, open the *My Documents\Remote Desktops* folder.

Step 2.
Click the .Rdp file for the connection you want to open.

Note: A Remote Desktop file (.rdp) file contains all of the information for a connection to a remote computer, including the *Options* settings that were configured when the file was saved. You can customize any number of .rdp files, including files for connecting to the same computer with different settings. For example, you can save a file that connects to MyComputer in full screen mode and another file that connects to the same computer in 800×600 screen size. By default, .rdp files are saved in the *My Documents\Remote Desktops* folder. To edit an .rdp file and change the connections settings it contains, right–click the file and then click *Edit*.

3.2.4. To log off and end the Remote Desktop session

Step 1.
In the *Remote Desktop Connection* window, click *Start*, and then click *Shut Down*.

The *Shut Down Windows* dialog box appears.

Step 2.
In the drop–down menu, select *Log Off <username>*, and then click *OK*.

3.2.5. To disconnect the Remote Desktop session

Step 1.
In the *Remote Desktop Connection* window, click *Start*, and then click *Shut Down*.

The *Shut Down Windows* dialog box appears.

Step 2.
In the drop–down menu, select Disconnect *<username>*, and then click *OK*.

3.3. Local Printer Re-direction

I. For local printer re-direction on the remote client (i.e. printing to the local printer connected physically to the remote client), follow the instructions below:

1. On the remote client, before connecting to the WinConnect Server XP system, you will need to install the printer as per normal and make sure that the printer is working correctly, please refer to the printer user manual for installation instructions.

2. On the remote client, open the MS Remote Desktop Connection software, click on Options --> Local Resources, and check "Printers". Then connect to WinConnect Server XP system.

On the remote desktop session, click on Start --> Settings --> Printers, you should then see your printer.

NOTES:

Printing at the remote client location is a function of the MS Remote Desktop Connection software being used. The MS Remote Desktop Connection software send the information about the local printer to WinConnect Server XP/Windows XP/Windows Small Business Server 2003/Windows Server 2003 system and if that printer is listed among the WinConnect Server XP native printer list, then all will go fine. If the printer model is not one contained within the list of WinConnect Server XP native printers, then it will be necessary to install the printer driver on the WinConnect Server XP/Windows XP/Windows Small Business Server 2003/Windows Server 2003 system first. In some cases, to install the printer correctly on the WinConnect Server XP/Windows XP/Windows Small Business Server 2003/Windows Server 2003 system will require actually connecting the printer to the WinConnect Server XP/Windows XP/Windows Small Business Server 2003/Windows Server 2003 system or the printer driver will not install properly. When this installation is done, the printer should be detected as a local printer when the remote client is connected to the WinConnect Server XP/Windows XP/Windows Small Business Server 2003/Windows Server 2003.

If local printing still does not work after following the above procedure, you will need to check with the printer manufacturer to verify if the printer driver is designed to support Windows Terminal Services, or the procedure to install the printer and it's printer driver to work under Windows Terminal Services

Printers that use ports that do not begin with COM, LPT, or USB are not redirected in a remote desktop connection. Please check with your printer manufacturer's Technical Support on how to configure your printer to use a COM/LPT/USB port.

II. For local printer redirection for local printer using DOT port or network printer, refer to the following MS article (Note: the local printer driver must be installed on the Host):

http://support.microsoft.com/kb/302361

Printers That Use Ports That Do Not Begin With COM, LPT, or USB Are Not Redirected in a Remote Desktop or Terminal Services Session
View products that this article applies to.
Article ID : 302361
Last Review : December 3, 2007
Revision : 4.8

This article was previously published under Q302361

SYMPTOMS
When you use Remote Desktop Connection or the Terminal Services Client version 4.0 or 5.0 to connect to another Windows-based computer from a computer that is not running Windows Server 2003, your local printers may not be redirected. As a result, your local printers are not available in the remote desktop or terminal services session.

For example, if your Windows XP-based computer has a multifunction print device using a DOT4 port, it may not be redirected in a remote desktop session to a Windows 2000- or Windows Server 2003-based computer.

CAUSE
This problem occurs because the printer port does not begin with COM, LPT, or USB. By default, printer port

names that do not begin with COM, LPT, or USB are only redirected in Windows Server 2003. By default, multifunction print devices may not be redirected unless you are running Windows Server 2003 on your local computer because they use DOT4 ports.

RESOLUTION
To resolve this problem on a computer that is not running Windows Server 2003, force all ports (including DOT4) on the client computer to be filtered for redirection. To do this, add a DWORD value named FilterQueueType to HKEY_CURRENT_USER\Software\Microsoft\Terminal Server Client\Default\AddIns\RDPDR and set its value data to FFFFFFFF.

Follow these steps, and then quit Registry Editor:
1. Click Start, click Run, type regedit, and then click OK.
2. Locate and then click the following key in the registry:
HKEY_CURRENT_USER\Software\Microsoft\Terminal Server Client\Default\AddIns\RDPDR
3. On the Edit menu, point to New, and then click DWORD Value.
4. Type FilterQueueType, and then press ENTER.
5. On the Edit menu, click Modify.
6. Type FFFFFFFF, and then click OK.
This enables all ports on the client to be redirected.

To work around this problem on a client computer that has a multifunction print device, change the port that the multifunction print device uses from DOT4 to an LPT port.

For example, to configure a multifunction print device to use an LPT port on a Windows XP-based computer, follow these steps:
1. In Control Panel, openPrinters and Faxes.
2. Right-click the local printer that is not redirected, and then click Properties.
3. Click the Ports tab, click an LPT port, and then click Apply.

The printer should now appear next to that port.
4. Close the Printer Properties window, and then reconnect by using Remote Desktop.
Important When a multifunction printer is using a standard LPT port instead of the DOT4 port, it loses its multifunction capabilities, such as scanning, faxing, or copying. To regain the multifunction capabilities, the print device must use the DOT4 port.

STATUS
This behavior is by design.

MORE INFORMATION
To view the port name for your printer, or to determine if the device uses a DOT4 port, view the properties of that printer, and then click the Ports(or the Details) tab.

3.4. Connecting to Console Session of Windows XP, Windows Server 2003 or Windows Small Business Server 2003 (32-bit)

Follow the steps described below to connect to the WinConnect Server XP system's Console session from the remote client via the Remote Desktop Connection software:

Step 1.
Open *Remote Desktop Connection* (Click *Start*, point to *Programs* or *All Programs*, point to *Accessories*, and then click *Remote Desktop Connection*).

Step 2.
Click on the *Options* button to configure the Windows Logon and connection settings.

Step 3.
In *Computer*, type in the IP address of WinConnect Server XP system used by WinConnect Server XP software (e.g. 218.10.0.30 /admin). Click *Connect.*

Step 4.
In the *Log On to Windows* dialog box, type in the same user name and password that user has logged on the WinConnect Server XP system, and then press the *Enter* key. The Remote Desktop window will open.

4. Configuring Router's Port Forwarding For Remote Desktop Access

The Remote Desktop Client software allows Windows platforms to remotely connect to a WinConnect Server XP Host to run Windows applications.

First, get the IP address of the host computer (the computer that will have WinConnect Server XP installed on it).

Click Start then Run and enter the letters *CMD*.

In the DOS box that appears, enter the command: *ipconfig*. Then hit the Enter key.

The computer's IP address will be displayed in the information shown. Make note of it.

Next, open a browser and enter the URL http://www.portforward.com in the address bar.

At the bottom of PortForward's opening page, make a note of the IP address shown after the text: *Your external IP address is*

This IP address is what your remote users will need to enter into the "Computer" field in the Microsoft Remote Desktop Connection program on their computers. Remote Desktop Connection is part of Windows XP and can be found on either the Accessories or Communications menus (Start/Programs/Accessories/Communications) depending on which version of Windows XP is installed.

In the second paragraph on the PortForward opening page, locate the word Routers and click on it. This will take you to a page displaying most brands and models of routers. Locate the specific brand and model of router used in your location and click on it (if your router is not listed, please contact your router's vendor for details on how to configure your router's port forwarding for Remote Desktop access).

This action takes you to the Application page. Scroll down until you locate Remote Desktop and click on it.

You will now see a step-by-step set of instructions for configuring your router to allow Remote Desktop access. You will be asked to enter an IP address at the beginning of the configuration routine; this is the IP address you obtained in the first part of these instructions.

Note:

Static IP address:

There are two IP addresses involved regarding Remote Desktop access. One is the external IP address owned by the router and the other is the internal IP address of the host computer. Ideally, both of these should be "static" (meaning they never change). Unfortunately, this is not always the case.

The external IP address is controlled by your Internet provider. You may check with them if you are not sure whether your account has a static IP address.

The host computer's IP address is entirely in your control. For detailed information on how to set your host computer to employ a static IP address, please see this web page,
http://www.portforward.com/networking/static-xp.htm

Technical Support

Technical support offered by ThinSoft Pte Ltd

WinConnect products must be registered with ThinSoft before technical support may be offered. Registration may be completed by registering online at our World Wide Web site. Free support via fax and email is offered for sixty (60) days from the date of registration. Our technical staff is available to answer questions, troubleshoot problems and to assist in the installation of WinConnect products. Before requesting technical support, please be prepared to provide information including the date and place of purchase and product serial number (_____).

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